

AS TIME GOES BY ...

A few years ago (April, 1983) we ran our editorial under the headline "A Progress Report from KUG." That was issue number 3 and contained 20 pages of information pertaining to the Kaypro computer.

In that editorial, we discussed the growth of our software library (we were already up to four disks), the Perfect Writer updates, and the operation of our new Bulletin Board System in Chicago.

In just that short time we had grown from an 8 page infant to a 20 page teenager and we started to have the usual growing pains. However, it wasn't long before we reached maturity with our full 32 page KUGRAM.

The CP/M Stuff column brought us many letters of praise. Local KUG User Groups were growing up all over the world. It was the issue that first introduced KUGIG, the genealogy group. It was the issue that discussed the use of external hard drives for the Kaypro II computer. We even had our first advertising in that issue. Central Computer, the fine mail order company, ran their first ad. It was a quarter page under the name of Quality Covers. Remember?

That year the cost of an annual membership was \$15.00 (US).

But that was almost four years ago. Let's discuss what's been happening since then!

We have been fortunate to have the kind of members who have supported us and other Kaypro users through these short years. Our renewal rate has been a pretty constant 90% to 95%.

Well, it's about time for another "Progress Report from KUG."

Our library now consists of almost 100 disks representing more than 1000 programs. (See our complete 14 page descriptive Library Catalog inside this issue.) Our library and the more than 3000 disks we keep in inventory is maintained by our librarian, Jim DeMauro.

Our Bulletin Board has moved from a part time beginning in Chicago to a full time position handled by Frank Fallon, who is also the sysop for our special interest group on CompuServe. (GO KAYPRO.)

Since that last "Progress Report," our staff has increased threefold ... postal rates were raised ... printing costs have risen ... and our rent has increased three times.

While all these changes were being made, our annual membership rate was still \$15.00 (US).

In order to present you with the latest information in an up-to-date manner, we have invested in additional hardware and software. As you've seen, we are using both CP/M and MS-DOS Kaypros and producing KUGRAM with the help of our new laser printer.

With your help and support these changes have allowed us to grow into the mature organization you asked for during those first struggling years.

Whether you are using CP/M or MS-DOS, Perfect Writer or WordStar, we intend to support you for as long as you ask us to ... and for as long as you continue your support.

Thanks for a great past and a brighter future.

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KUG Services

Back Issues	\$5.00 each
KUGRAM Index	\$3.00 each
KUGRAM Binder	\$8.00 each
with Index	\$10.00
Library disks	\$10.00 each
..... 2 for \$15.00 / 4 for \$25.00	
Choice of free disk with each renewal	
Printer config list	SASE
Chapter booklet	SASE
CompuServe SIG	At ! - GO KAYPRO
CompuServe starter kit	
with modern software	\$35.00
KUG Bulletin Board	516/747-8308
Ad rates	Send for Rate Card
KUG T-shirts	\$10.00 prepaid
List of dealers offering	
discounts to members	SASE
KUG disk descriptions	SASE 39¢

NOTE: All funds are U.S. The term SASE refers to self-addressed, stamped business-sized (#10) envelope. Unless otherwise stated, affix 22¢ postage. When ordering, give the name and number of the disk(s) you want and your ID#. Send your requests to KUG, Inc., Box 100, Malverne, NY 11565.

Dear Kug,

In response to D. C. Fontana in the May-June KUGRAM, there is a way he can cheaply use his two Kaypros to create a bibliography. Available for CP/M Kaypros from Chaucer Software, "Electronic Bibliography" is available for \$15.95. This is actually a template set up for use with DataStar, plus a manual which gives clear, step-by-step instructions with screen print-out illustrations. Since The K2000 comes with the MicroPro software, Fontana has DataStar, MailMerge and related programs needed to operate Electronic Bibliography. The problem is that the 2000 has 3.5" disks. The program can be bought in KIL format, and ported over through the serial port to the 2000, which will save it on its 3.5" disk.

Electronic Bibliography is set up to sort multiple entries by the same author, either in correct sequence within a larger bibliography, or in a separate bibliography. I have made numerous scholarly bibliographies on topics relating to African studies and languages. If separate bibliographies are needed, WordStar can be used to block out segments or selections from a larger data file, writing them to a separate file. This will prevent having to re-enter the same titles for separate lists. The template will still match the new lists. Or with FormSort, a new Key Field can be designated to sort all of one topic, one author, etc., into one portion of the DataStar datafile. With SuperSort, any field can be used for sorting without special redesignation. The final bibliography is formatted with WordStar, due to the multiple possibilities of all the various "standards."

On William Higginson's comments on ^U: This requires two keystrokes. WS is already set up for an interrupt after one of the "prefix" commands (^K, ^Q, ^J, ^O, ^P) by using <sp>. This can be illustrated by typing only the prefix and waiting for the whole screen to come up. One option for the second key is <sp> to return to the edit menu. This works as well for the ^Q^Q (repeat) command, as in ^Q^Q^B. If you desire to stop before the reformatting is done, a simple <sp> stops the action. (Actually, ANY single key will stop the ^Q^Q^B action. In fact, it is NECESSARY to hit one key to release the program at the end of the file in order to get back to edit mode.)

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Dear KUG,

Perfect Writer has one disadvantage when compared with WordStar: it does not have a number of user-definable commands that can be used to send printing controls to a printer. You can get around that by giving up some keyboard characters and using one of the Translation Tables to redefine them, so that, when they pass through Perfect Formatter, they will be changed into the control characters needed for sending commands to the printer. But that can mean giving up quite a number of keyboard characters in order to cover the variety of printing commands. For Epson printers you need at least three (to provide for ESC, Ctrl-O, Ctrl-R), and probably a fourth (Ctrl-H) for backspacing and overstriking -- with even more if you need to switch to any of the foreign character sets. For the Okidata you need at least six characters to be reassigned through a translation table.

Fortunately, there is a way of outwitting Perfect Formatter, by which the result can be achieved without giving up any keyboard characters at all. (1) Write and edit a PW file in the ordinary way, embedding in the text the desired printing control character, but representing each control character by an up-arrow followed by the appropriate character. Using Epson commands as an example, Ctrl-O (for turning on compressed mode) would be represented by '^' followed by 'O', appearing on screen as '^O'. The underline mode would be represented by '^' followed by '[', giving '^[-1'; and so on. (2) Save the file to disk and format it as an onscreen readable file. (3) Bring that file up in PW and use the Search and Replace command to replace every '^' and the immediately following character with the corresponding control character (prefixing that each time with Ctrl-Q to get it to appear in the text of the file). The characters on the screen will look exactly as they did before, but they will now be actual control characters, as can be checked by running the cursor over them; it will treat each of them as a single character, instead of as two as they were originally. (4) Save that file to disk and print a hardcopy of it through CP/M (using PIP, TYPE, LIST or whatever). The result should be exactly as if the file had been formatted and printed through Perfect Formatter and Printer, except that all the printing commands will have been executed.

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Dear KUG,

Besides the bundled programs, these are my top four favorites:

KAMAS, because it lets me organize my thoughts and output to either WordStar/Newword or Spellbinder, and it is programmable.

MIX Editor, because it has a split screen capability, can write the files as standard ASCII text to at least look at and then go back to a word processor, and yes, it is programmable.

Newword, because it will run the Comrex printer and an Epson LQ-1500 in any possible combination of pitch, except proportional, with full justification. It also supports a Laser Printer.

Spellbinder, because it will do proportional justified printing on both the Comrex and the Epson LQ-1500, (also works with Laser Printer) with either one column per page or two columns per page. The two columns per page are both separately justified and fully proportional. Spellbinder is true proportional, not the mess I have seen and tried with WordStar. Also it is easy, as it has full softkey support of a Kaypro 4-84.

Important to proportional spacing is hyphenation. Along with Spellbinder comes Electric Webster, which will hyphenate words. One failing is that if a word has one soft hyphen in it, the program will not add another, even if it is in its dictionary listing. My procedure is to hyphenate first with Electric Webster and then run the program that comes with the Word Plus, HYPHEN, as follows:

HYPHEN d:filename.ext \$0

That produces maximum hyphenation.

Now to a couple of answers. To get DataStar to round a number, when spelling out the formula tell it to add 0.005 to the result. This causes rounding. It also works for CalcStar and ReportStar.

The clock can be set by a program other than the basic clock routine supplied. It is part of TIMEPRO by Digital Dynamics, 12448 83 Ave. S., Seattle, WA 98178.

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Dear KUG,

Concerning Kevin Schell's letter in Vol 4, no. 2:

There are several reasons why he might get momentary diskette access, even though he had copied all his files over to the RAM drive:

Executing programs from a drive other than the RAM drive.

Since he copied programs to the RAM drive and set the logged disk to the RAM drive (command "M:" from the "A:" prompt, which will now give you a "M:" prompt), the system should be loading programs into the Transient Program Area from the RAM "disk," not the floppy drive.

Accessing data files.

If you specify the "drive:" prefix to the data file names (for example, "M:TESTDATA.DAT"), then normally data will be read from and written to that "drive." Some programs, though, require the data disk to be specified another way. [If not otherwise directed, most programs will use the "logged" drive — the drive shown in the current system prompt.]

Temporary work files.

Most word processors (including **WordStar**) and many spreadsheet programs can handle more data than can fit in memory at one time. The data that doesn't fit is written to a temporary file on "disk" and is read back in as needed. Many programs will have a configuration procedure that includes the placement of these files, or have a command or a switch you can use when the program is executed that specifies where the work files should be placed. (These files are often denoted by: temporary, virtual memory, virtual storage, extended memory, swap, and work. Beware: "work files" and other names mean different things to different programs.)

Overlay files.

Some programs are so large that they cannot fit into memory at once. Instead, they make use of the 20/80 rule and put the less-frequently used code into "overlay" files. (The 20/80 rule is: 20% of your customers create 80% of your business, 20% of your products generate 80% of your sales, and, by induction, only 20% of the program is used 80% of the time.) When one of these less-frequently used

functions is needed, it is read from the overlay file. When another infrequent function is used, it is also read from the overlay file, this time replacing the code in RAM of the other function with the code for this function. Common variations on this theme are: use several areas of RAM for overlay areas so that a few infrequent routines can be used without having to reload them every time; and put messages (errors, menus, prompts) into a file and read them in as needed. (If you add the sizes of WS.COM, WS.OVR, WS.MSG, and, if you have it, the MailMerge and SpellStar overlays, you could appreciate how big **WordStar** really is. And all this, and the document, has less than 60K bytes of RAM to work in on the **CP/M** machines.) Again, the configuration procedure and/or a command when the program is started are often used for telling the program where to find the rest of its code or messages. If not otherwise instructed, many programs will look for their overlay and message files on drive A and/or the currently logged drive.

Resetting disks.

CP/M checks its disks often to see if there has been a disk changed. If so, the drive is set to read-only and all attempts to write to that disk will be greeted with the BDOS error of R/O.

Cold boot.

This occurs only when the computer is first turned on or the reset button is pressed (or, on IBM-PC machines or equivalent, when the Ctl/Alt/Del keys are pressed). This is when the operating system is initially read into RAM from disk (a floppy or a hard disk).

My hunch is that in Mr. Schell's case his Filer and **WordStar** programs are accessing overlay and/or message files on drive A. An "update" could be a function that has been relegated to an overlay file. If the Filer was looking for the operating system, it would probably do so only when you quit or exit the filer — when the CCP may need reloading and you see the message "Warm boot."

(As it turned out, the "Warm boot" was reloading from the floppy instead of from the RAM drive. Mr. Schell has since acquired a new release of his RAM drive software that fixes this.) It is very unlikely that the Filer would do a disk reset in order to perform an update.

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Dear KUG,

Here's an idea having to do with Star products. It is simply an application of **WordStar**, **DataStar**, and **MailMerge** (along with a key definition program to cut down on keystrokes).

1. Create a **DataStar** database containing the appropriate fields necessary to address a letter. Include additional fields for variable information. You should now have a .DEF file.
2. Next decide on the kinds of letters you want to write. Number them, but begin with an alpha character. Using **WordStar**, set up the letter using the variable fields bracketed by "&."
3. Next, use WS to produce one file called LETTERS and another one called ENVELOPE that will allow you to use **MailMerge**. LETTERS can be constructed to show a menu-like screen (using the .dm commands).

If anyone wants a more detailed description and suggested key definitions, I'll be glad to supply them.

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Central Computer Catalog

Central Computer Products has just published a comprehensive 64-page catalog, **CP/M Times**, which covers hardware, software, and supplies. The subject index lists over 70 items, among them accounting, chemistry programs, games, programming tools, spoolers, vocabulary programs and word processing.

No purchase is necessary, but all customers ordering before December 30, 1986, will be automatically entered in a sweepstakes each time they order. Three enhanced Kaypro 20s will be awarded. Anyone 18 years of age or older who owns a **CP/M** computer or has co-processor equipment that allows the operation of **CP/M** software may enter.

Contact Central Computer Products for a copy of the catalog: 330 Central Avenue, Fillmore, CA 93015, 800/533-8049 (USA) or 800/624-5628 (CA).

Suite or Apartment Number

The Postal Service has informed us that mail lacking a suite or apartment number will not be delivered. If such a designation is not part of your label, please let us know so that we can add it to our records.

CP/M Stuff

How many times have you finished working with a program, started another program and then realized that you had forgotten to BACK UP the first one?

Well, through the magic of SUBMIT.COM we shall resolve this problem.

Before we develop the SUB file, we have to do some preparation. On your word processor, create a non-document file named TALK.DOC. It should read as follows:

YOU HAVE JUST FINISHED WORKING ON A VERY IMPORTANT PROGRAM. YOUR DATA SHOULD NOW BE BACKED UP.

PLACE A BLANK DISK IN DRIVE B: AND AT THE A> PROMPT TYPE SUBMIT COPY<return>.

THANK YOU FOR LISTENING.

Create another file named RUN.SUB. It should read as follows:

WORDSTAR (or any other program)
TYPE TALK.DOC

Create a third file named COPY.SUB. It should read as follows:

COPY
DIR B:

Now your program disk has to be prepared. It should contain your program, i.e., **WordStar**, **Perfect Writer**, etc., SUBMIT.COM, the files you just created (TALK.DOC, RUN.SUB and COPY.SUB) plus the copy program (COPY.COM).

Now when you want to run **WordStar**, you just type:

SUBMIT RUN<return>

The program in drive A will run the program.

When you finish your program the message will appear on the screen. Type SUBMIT RUN and follow the copy program's directions by placing your data disk in drive A and a blank disk in drive B. When the copy program is finished, you will see the directory of the files you have just copied onto drive B.

If you want to ERASE the .BAK files just add ERA B:*.BAK to the end of COPY.SUB file.

Continuous Underline with Juki

WordStar users are familiar with the Ctrl-PS code for producing underscored text where each word is underlined but the spaces in between are not. To produce a continuously underlined text, where the spaces between words are also underlined, we are told that we must type an underline character () between each word. For owners of the **Juki 6100**, among others, there is an easier way. (I'm told that most printers which emulate the **Diablo 630** use the same code for this feature, but I can't vouch for it. My **Panasonic** uses 1Bh, 2Dh, 31h at ^PY to start and 1Bh, 2Dh, 30h to stop continuous underline.)

No mention was made of the possibility of continuous underlining in the users' manual that came with my **Juki**. I discovered that little trick while experimenting with my **Panasonic KX-P1080** dot matrix printer, which supports the feature. When I saw how handy it is to be able to underline book titles, etc., without the awkward "remember not to hit space bar, hit shift, underline the space" routine, I decided to see if my **Juki** would also do it. Eureka! It does!

To accomplish this, I had to go into Winstall and do a little minor customizing. I had already installed the Shadow Print feature at User Functions #1 and #2 by patching in 1Bh, 57h at ^PQ and 1Bh, 26h at ^PW, so it didn't appear to be too big a task for this beginner. I was right -- it is a snap.

If you are familiar with Winstall and custom installation of a printer, all you need to do is go to the Ribbon Selection option and install the first ^PY as 1Bh, 45h and the second ^PY as 1Bh, 52h to begin and release the continuous underline. Then where you want to underline in that fashion, use the ^PY control codes to start and stop. Your ^PS commands will work as before, giving you a choice. All you have to remember is that the continuous underline will underline your margins as well, if your underlined text wraps over to a second line, so be sure to stop (enter ^PY) at the right margin and start again at the next left margin.

If you are not familiar with Winstall or hexadecimal code, and the above paragraph is gobbledy-gook to you, read on. To use Winstall, you need to start with a clean disk and copy to it the files **WS.COM**, **WS.INS**, **WSMSG5.OVR**, **WSOVLY1.OVR**, and **WINSTALL.COM**. You can experiment with and discard this disk if you don't like the results.

It's a bad idea to experiment with your good disks, and NEVER play with your original!

Okay, ready? Call up **WINSTALL**. Follow the on-screen instructions till you come to the Installation Menu. If you have never installed your **Juki/Kaypro**, take the A option and install your printer first as a **Diablo 630**. That will immediately and automatically give you most features, because the **Juki 6100** emulates the **Diablo 630** to a great extent.

Now go back to the Installation Menu and choose the B option to Custom Install your printer. That menu gives you several choices. If you want to look at them all, you can take the automatic installation route and learn a lot about all your printer can do. If you just want to install the Shadow Print and Continuous Underline features, it is quicker to do them one at a time by choosing the I (Ribbon Selection) and O (User-Defined Functions) options. If you want to have your printer call its own name when you enter **WordStar**, you can also choose the C (Printer Name) option and follow the on-screen instructions.

Let's take the Ribbon Selection option first. Because your **Juki** does not have a two color ribbon, this feature of **WS** is unused. We'll use it for the underline, since it is a toggle. (It also provides a mnemonic aid: think ^PY -- underline continuously). At the Printer Installation Menu type I for Ribbon Selection, and follow the on-screen instructions. Enter as your control code the hexadecimal numbers 1B and 45 for the first ^PY, and 1B and 52 for the second. It is not necessary to understand what hex numbers are all about; just enter the comma to tell **WS** you are using hex and the numbers as given above. Follow the directions on your screen and you will come back to the Printer Installation Menu again. If you want the Shadow Print function, do the same thing in the O option, but entering at ^PQ the hex code: 1B and 57, and at ^PW the hex: 1B and 26. That's all there is to it!

Customize your **WS** working copy with features like top and bottom margins, left and right margins, and toggles like Insert on/off by going back to the Installation Menu and calling up the menu of **WS** features. Your working copy of **WS** can come up the way you want it, or you can produce different versions for different uses. Happy word smithing!

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MS-DOS Stuff

We have discussed batch files and how useful they are in creating menus. We also reviewed the importance of the **Autoexec.bat** file in getting started with the informative prompt. This time we will create an **Autoexec** batch file that will automatically remind and urge you to back up your file after completing your program.

Prepare a working disk with ONLY the program you plan to use. The following batch file will automatically start your program upon start up or when you re-boot your computer.

Run your program as you would at any other time. Place your program disk in drive A: and be sure to put a formatted data disk in drive B:

The following file should appear only on your program disk ie. **WordStar**, **Dbase**, etc.

At the A> prompt type the following:

COPY CON: AUTOEXEC.BAT

At the curser type the following:

```
WordStar (or any other program)
cls
echo YOU JUST FINISHED YOUR PROGRAM
echo IT IS TIME TO BACK UP YOUR DATA
echo PLACE YOUR DATA DISK IN DRIVE A
echo PLACE A FORMATTED DISK IN DRIVE B
pause
copy a:*. * b:
cls
echo YOU NOW HAVE A COPY OF YOUR DATA
echo THE FOLLOWING IS THE DIRECTORY OF B
dir B:/W
^Z (this is <control>Z)
```

The above text can be produced in your word processor using the non-document mode.

If for any reason you do not want to back up your data, you can use <control> <break> after the message appears. Type Y when you're asked if you want to terminate the batch file.

If you prefer not to have your program run automatically upon startup, you can rename **AUTOEXEC.BAT** to **RUN.BAT**. Then when you want to run your program you can just type:

RUN<return>

Best of Both Worlds?

As an owner of **Kaypros** since early 1983 -- so long ago(?) -- I also resisted PCdom until I needed large data space and statistical power exceeding my **Kaypro's** abilities or my ability. But I was also primarily a writer and could not envision giving up the system I grew to love. Solution: as many of us may be doing, I bought a no-name PC clone from a local store (D&G Computers) with a one year warranty. They had provided excellent service in the past and they configured a 640K RAM, 2 DSDD floppies, 20 meg hard disk with a TTL monochrome monitor, 8087 math co-processor, STB "Chauffeur" card for converting color graphics to monochrome, 1200 baud modem, and 5151 style keyboard for \$2233 in November, 1985. I still have several slots left open for adding EGA or expanded RAM. I did this owning a **Kaypro 10** and a 4. But our office was all IBM and I simply had to have IBM compatibility in addition to wanting to manipulate larger data sets.

However, I have not nor will I sell my **Kaypros**. My word processing system, **Perfect Writer v 1.20** (NOT PF or PP), along with Fancy Font and an Epson FX-85 for printing, does everything I could ask for, even my wife's moot court brief (Whew! What a job). For example, I just finished a 100-page chapter which was done with PW. But, I use the PC clone at work, my research assistant uses the **Kaypro 4**, and I have the 10 at home. The trick to all of this is **RUN/CPM** from Micro Interfaces Corporation in Hialeah, FL. I replaced the 8088 CPU with the NEC V-20 (NOTE: You must ground yourself to the machine to do this properly, though I did not and everything is OK) and installed the software in a subdirectory on the PC. WOW! Except for **Perfect Filer** and other programs written in Z-80 (I think) code, you can run **CP/M** mode. So you have the functional equivalent of 4 disk drives, 2 as PC and 2 as **CP/M**. **Perfect Writer** works fine, though I use **Word Perfect** in "DOS text" mode on the PC. I can transport any programs or data or text, with the above exception, to and from the PC and the **Kaypros**. One reason for buying **RUN/CPM**, however, was specifically to use **Perfect Filer** on the PC. If anyone has any solutions to this, please advise before I write the 1200 references to an ASCII file and buy a PC bibliography program. Does anyone know about REF-11 from DG Systems, Hartford, CT?

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Kaypro Tech Notes

A new product from Kaypro, called the "BUG" board, can output to a Composite monitor, a Monochrome monitor, or an RGB monitor. Usually you can do graphics only on an RGB monitor in RGB mode, but now with this board you can also do standard IBM graphics 640 x 200 on a Monochrome monitor in Mono Graphic mode.

There is one set of 8 switches on the "BUG" board next to the edge of the board. Each switch is numbered, 1 - 8. There are two positions the switch can be in, Off & On. On is when the switch is next to the number, Off is when the switch is away from the number. There is also a set of 5 switches on the Processor board. This board is the farthest one to the left when facing the front of the computer. Again these switches are at the edge of the board and are numbered 1 - 5, but only switches 2 & 3 deal with video output.

* Serial Printer With K-2000 *

Below are the necessary pins to be used when connecting to a serial printer:

PIN	Name of Pin	Where to connect
1	Chassis ground	Chassis ground pin
2	Transmit	Received pin
5	Clear to snd,*	Busy pin
6	Data set rdy,*	Busy pin
7	Signal ground	Signal ground

* K-2000's pins 5 & 6 MUST be set high (+4 volts) in order for it to send data out to the printer. So find the pin on your printer that is set high when it wants data and goes low (no voltage) when the printer is busy. That is, when the printer's buffer is full.

When you have finished your cable, you still have to configure your system. This is done inside the AUTOEXEC.BAT file. To do this just add the following to the file:

```
MODE LPT1:=COM1
MODE COM1:1200,N,8,1,P
```

The 1200 is the baud rate, which can be changed to the baud rate of the printer. N is no parity, 8 is for 8 data bits, 1 is for 1 stop bit, and the P is for No time out errors. For more on the MODE command look in the MS-DOS user manual under MODE.

The program KStatus comes on the K-2000's system diskette. It tells you the charge level of the battery, lets you shut the cover without losing what is in RAM, and allows you tell the K-2000 what day and time to turn itself on and also when to turn itself off.

After KStatus is loaded, just press CTRL-ALT-S all at once. Five windows will appear at the top of the screen.

The first block is your battery level. This will say either full, half full, or empty. When the battery gets very low this window will appear and the computer will beep. Just press the ESC key to release the windows and save what you are doing. Then turn off the computer until you can recharge the battery.

The second block (On/Off) tells the computer how to turn itself on and off. Normally, when you shut the cover the computer turns off and when you open the cover it turns on. This way, what you had in memory (RAM) will be lost, except for the data that was written to disk. Now, with the windows at the top of the screen, move the cursor, using the arrow keys, to the second window. Press the return key, and it will now say "Keyboard" where it said "Cover." This means that now you can shut the cover and the computer will NOT turn off. To turn it off and on all you do is press CTRL-ALT-O. All changes to the windows will remain until you either turn off the power, reset the computer, or call up the windows and change it again.

The third block (On Time) allows you to tell the computer when to turn ITSELF on. To do this, just call up the windows again, move the cursor to the third window and press the return key. Now the window will say "Date:00" and under that it will read "Time:00:00". Move the cursor down to the date field and enter the day and then move to the time field and enter the time. Now, if you have a real time clock inside the K-2000 and it reaches that day and time, it will turn itself on and execute what is in the autoexec.bat file.

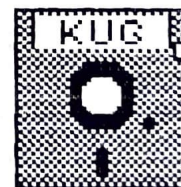
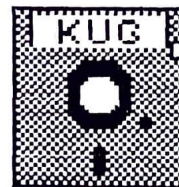
The fourth block (Off Time) is just like the third window (On Time) except that it turns off the computer.

The fifth block (Port) tells the K-2000 what will be COM1. To operate it just move the cursor to that window and press the return key. When it says "MODEM" this is for the internal modem option and will work ONLY if you had the internal modem installed.



LIBRARY DISKS

INDEX



Ordering Information

To order disks please fill out the form below and enclose check made out to KUG. Disks are \$10.00 each, 2 for \$15.00, or 4 for \$25.00 (U.S. funds ONLY). Price includes all shipping and handling charges.

Mailing Address:
KUG LIBRARY
Box 100
Malverne, NY 11565

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Name _____

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Disk # _____ Disk # _____

Disk # _____ Disk # _____

Disk # _____ Disk # _____

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Disk # _____ Disk # _____

Number of disks _____

Total amount enclosed \$ _____

CP/M Disks

101 PAC-MAN & CHESS (Games)
102 ELIZA & GOLF & MISC. GAMES
103 MOODEM795 for tel. comm. (Modem)
104 HELP CP/M, MBASIC & Others (Helps)
105 UTILITIES 1
106 ADVENTURE (Games)
107 STATISTICS
108 MBASIC MYSTERY (Games)
109 UTILITIES 2
110 POSTER PRINTOUTS (Pictures)
111 KAYPRO 10 GRAPHICS
112 HELP PERFECT, SBASIC, Etc. (Helps 2)
113 SBASIC & MBASIC (Business)
114 LITTLE BLACK BOOK (Directory)
115 STAR TREK + 15 MBASIC GAMES
116 MULTI-FORMAT DISK FOR K II, IV & 10
(Multi-format disk runs on CP/M only.)
119 CONCENTRATION + 15 MBASIC GAMES
120 HP CALCULATOR + MISC.
121 STANDARD FORTH (Language)
122 SOURCE FOR FORTH (Language)
123 WP & PC UTILITIES
124 UTILITIES 3
125 HANDY (Time Management)
126 ASTRONOMY (Science)
127 PC & PW UTILITIES
128 KAREL THE ROBOT (Language)
129 MONOPOLY + MBASIC GAMES
130 MASTER CATALOG (Catalog)
131 LOGO GENERATOR/EPSON (Business)
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138 FRANKENSTEIN (Game)
139 LITTLE BLACK BOOK (MBasic update)
140 FILE CARD DATABASE
141 K10 HARD DISK UTILITIES
142 ACCOUNTING PACKAGE (Business)
143 DISK MANAGER + (Utilities)
144 WORD PROCESSING + (WP Utilities)
145 TYPE & MATH--MBASIC (Educational)
146 UTILITIES 5
147 PF & WP UTILITIES
148 SCREENWRIGHT (Format)
149 VEGAS (Games)
150 MONEY MANAGEMENT (Business)
151 OUTLINE (Business)
152 SUPER LABELS PROGRAM (Utilities)
153 FLIGHT FANTASY (Games)
154 UTILITIES IN PASCAL
155 TELE/DEVICE/DEAF (Modem)
156 MEX II (Modem)
157 RCPM REVEALED (Modem Utilities)
158 KREPP (Database System)
159 YANC (Catalog)
160 ULTIMATE MODEM (Modem)
161 K-4/84 UTILITIES 1
162 20 PRINTER P/W CONFIGS (Utility)
163 SIMPLE DATA BASE SYSTEM (DB Utility)
164 POOR MAN'S RCP/M (Modem Util)
165 EASY BOOKKEEPING (Business)
166 FAMILY TIES 1 of 2 (Genealogy)
167 FAMILY TIES 2 of 2 (Genealogy)
168 DJIPLLOT (Business)
169 DRAWFONT (Graphics)
170 BASIC ARITHMETIC PROG. (Educational)

MS-DOS Disks

701 PC-UTILITY & CATALOG (Utility)
702 CHESS & CASTLE (Games)
703 OUTER SPACE (Games)
704 PC-TALK (Modem)
705 PC-ACCOUNTING (Business)
706 SIDEWAYS (Printer Utility)
707 PCYEARBOOK (Business)
708 FULL SCREEN EDITOR (Editing Disk)
709 FAMILY TIES (Genealogy)
710 PC-WRITE (Word Processing)
711 ARCADE (Games)

CP/M DISKS

DISK 101: PACMAN AND CHESS

This, the first of the KUG Library disks, was put together when MBASIC was not included with the Kaypro. Here are some games, popular in MBASIC, which were translated into SBASIC and compiled.

ACEY.COM
The good old card game of Acey-Deucey. The deck might be stacked against you, though.

CAMEL.COM
A game in which you cross the scorching Gobi Desert. You must conserve water, take rests at oases, and avoid pursuing pygmies.

CHESS.COM
CHESS.DOC
In this version of chess there is no screen of any kind displayed, so you'll need to know the notation.

LIFE.COM
Invented by mathematician J. Conway, this game simulates growth of various organisms (from bacteria to Martian shrubs). A pattern of cells is entered, and using certain rules for growth and death, new patterns grow and change.

PACMAN.COM
PACMAN.DOC
Another game which we all know. Has a wider range of play than CATCHUM.COM. (Keep Caps Lock key on.)

SUMERIA.COM
The game (sometimes known as HAMMURAB) in which you rule an ancient kingdom. With your resources and advisor, you make decisions on growing wheat for your people.

DISK 102: ELIZA AND GOLF

All three games on this disk were translated from well-known public domain versions. In MBASIC to SBASIC for compilation, because originally MBASIC was not included with the Kaypro. No source code is included.

ELIZA.COM
Here is the famous Eliza, the most commonly known "artificial intelligence" program. It was written in fun by Joseph Weizenbaum of MIT in 1966 to imitate a Rogerian psychiatrist. Many people, however, took it seriously, and the program was translated into Basic for the public domain. While rather simple-minded, it is surprising in some of its responses. You'll have to enter interesting input to get interesting output; it can't respond to "yes" or "no" answers.

GOLF.COM
A game in which you play 18 holes of golf. You have a choice of clubs, as well as some control over your swing, and a handicap. For a golf game with graphics, see USOPEN.BAS, on Disk 119.

HELLO.COM
You hold an amusing conversation with your computer. It gives you advice on your problems.

DISK 103: MODEM 795

A disk for modem users. With this, one is able to explore the world of computer bulletin boards and public domain software. There are two different modem programs included, but they're quite similar. The README file contains useful information on changing the default baud rate in KMDM795.

KAYM.COM
KAYM.DOC
This is a version of the file transfer program AMODEM, adapted for the Kaypro. A lengthy documentation file is included here, fully explaining the usage. Will work only at 300 baud.

KMDM740.COM
KMDM795.COM
An updated version of the famous MODEM7, written by Ward Christensen, from which almost every public domain modem program was adapted. The bulletin board world is built around its protocols. The program allows various baud rates, and help is available within the program.

DISK 104: HELP DISK

Here is the well-known HELP program, providing information on a variety of topics, each one in a disk file with the extension .HLP. Type HELP <topic> for an index of subtopics under the subject you

requested. You may then browse through them in any order.

This disk contains help files on four languages and CP/M. The MBasic and CP/M files are good ones for looking up basic facts. The files on the languages C, Fortran, and Pascal mostly detail various characteristics of a specific implementation of that language.

The HELP.HLP file will tell you how to write your own help files. (See also KUG Disk 112.)

DISK 105: UTILITIES

This disk contains some of the best and most famous utilities available in the public domain. If you're new to public domain software, this will show some of the superb programs that are available.

D.COM
An extended directory program which gives an alphabetical listing of the files on disk, with sizes and disk space available.

DU.COM
DU.DOC
This is Ward Christensen's legendary Disk Utility. The .DOC file will introduce this very powerful program. It allows you to view your disk and its sectors in various ways and to modify the data. Knowledge of this program allows you to duplicate the actions of many other utility programs.

EX.COM
EX.DOC
This can replace the SUBMIT and XSUB transient commands that came with CP/M. It executes a string of commands with a batch file.

FINDBAD.COM
Eliminates the "Bad Sector" error messages by finding all the bad sectors and allocating them to a file called [UNUSE].BAD. You can then keep damaged disks, since your files won't be written to bad portions of the disk.

L.COM
A simple program for listing an ASCII file to the printer.

NEWPIP.COM
An enhanced version of PIP. The "R" command resets both drives to read/write, ending the "BOS Error on B: R/O" messages whenever you change disks. Also, "Q" repeats your last command.

NTYPE14.COM
SQ-16.COM
SQUEEZE.DOC
USQ-19.COM
The "Squeeze" program for archival file storage. Takes your files, and using a coding algorithm, shrinks their size. Works best with text files, reducing space by over 40%, but it's not as effective with .COM files. However, a program is useless when squeezed, so NTYPE and USQ-19 are included. NTYPE allows you to read a squeezed text file, while USQ returns the file to its former state. Useful for people with lots to back-up.

SWEEP.COM
SWEEP.DOC
A disk maintenance utility for keeping your disks neat and tidy (similar to WASH). A menu gives you options to work on files: copy, delete, rename, view.

UNERASE.COM
When you've accidentally erased a precious file, this program will bring it back by changing a byte in the disk's directory next to the filename. However, if the file itself was written over before you use this program, you can no longer recover it.

DISK 106: ADVENTURE

The famous and infamous Adventure game. You search through the Colossal Cave for treasure, with many problems to solve.

The original version was written on a mainframe at Stanford (by two fellows named Crowther and Woods), and now plenty of variations can be found for almost all types of microcomputers. This version (801), by Mike Goetz, is the expanded one, with 550 possible points. (The original had 350.)

The disk is totally filled. ADV.DSK is the file that will contain a saved game for you to return to. However, there's no way to fit it here. When you do want to save a game, type "SAVE B:<4 letters>". This will put the saved game onto a disk in Drive B for you to RESTORE later.

In Adventure you'll encounter many things: fierce green snakes, magic words, dwarfs, chortling pirates, voracious trolls, mazes of twisting passages that are all alike, a singing sword in a stone, ogres, and more. You'll also find plenty of treasure as well as useful objects to get past those nasties.

DISK 107: STATISTICS

This disk contains five programs, all for statistical purposes.

ANOVA.BAS
ANOVA.COM
Computes an analysis of variance table.

CHISQ.BAS
CHISQ.COM
Calculates the value of chi-square (squares of difference between expected and observed values, divided by the expected value) with contingency tables.

CORREL.BAS
CORREL.COM
Finds the correlation coefficient and the regression equation.

MEANSD.BAS
MEANSD.COM
Finds the mean deviation (average of deviations from the median), the standard deviation (square root of average of squares of deviations from mean), and the variance (square of standard deviation).

TTEST.COM
Finds the variance to compare two groups statistically.

DISK 108: MBASIC MYSTERY

By running MYS.BAS, you begin a murder investigation. Using a menu-driven format, you can look at a map, search for evidence, question suspects, and finally make an accusation. You have a time limit, so you'll have to work fast. It isn't an easy game to play and should keep you puzzling for a while. The many files are for the main programs. You can't just TYPE them to find out whodunnit; it's not that easy.

DISK 109: UTILITIES 2

This disk contains a large selection of miscellaneous utilities and some .DOC files. Some deal with technical aspects of CP/M.

©.COM
©.DOC
A calculator program which will evaluate expressions, either from CP/M or in the program, and give answers in decimal and hex. Not a real scientific instrument (see Disk 120 for that), but it can be quite useful.

ALLOC.COM
ALLOC.DOC
This program prints a bit map of a disk and allows you to make the allocation vectors put a file at the end of a disk.

CPMFILE.DOC
A text file describing aspects of CP/M, such as disk file allocation, logical and physical sectors, and disk directories.

D.COM
An extended directory program which gives an alphabetical listing, file sizes, and space free on disk.

DISPLAY.COM
DISPLAY.DOC
A program for viewing text files. Allows viewing by screenfuls (instead of scrolling), moving forward or backward, and jumping a given number of screens.

ERAQ.COM
ERAQ.DOC
A replacement for the ERA command in CP/M. When erasing multiple files using wildcards (? and *), it prompts you before erasing each file, to prevent accidental loss of important files.

FIND.COM
FIND.DOC
A program that will search a text file for a given string. Will print out every line containing that string.

(continued)

DISK 109 (continued)

INCPM.DOC
A text file describing some more aspects of CP/M in closer detail, including autobooting, serial numbers, control data, and allocation maps.

LASM.COM
LASM.DOC
A linking assembler to replace ASM in CP/M. Has various improvements, including pseudo-ops, and produces a symbol table.

LOOK.COM
LOOK.DOC
Allows a "look" at some of the things inside your computer's memory. Searches in a given range for a given hex value, and gives all the addresses where that value is found.

PRIMR1.DOC
PRIMR2.DOC
Two text files, forming the first part of a series, giving information on modems and data transmissions. The first deals with basic definitions, the second with types of modems.

Q.COM
Q.DOC
A program that moves the memory contents from location 00 to the address FF. Allows examination of File Control Blocks.

RESOURCE.COM
RESOURCE.DOC
The disassembler written by Ward Christensen. Takes a .COM file and converts it back into an .ASM file. Another version, ZESOURCE, turns it back into Z80 code, instead of 8080.

SCRAMBLE.COM
SCRAMBLE.DOC
The program allows you to scramble a file beyond recognition (for security purposes) using a password, and then unscramble it. Even double scrambling is possible.

SGEN.COM
SGEN.DOC
Allows you to put three system tracks on a disk instead of the normal two. In case you've written a BIOS of your own that is huge.

SortV.DOC
SortV-12.COM
A program to sort record files on a disk.

SYNC-ERR.DOC
A text file describing how to get around a "Synchronization Error," which occurs when using two copies of CP/M with different serial numbers.

TBLSHOT.DOC
A text file giving information on what to check when problems arise with your computer or its drives.

UNLOAD.COM
UNLOAD.DOC
A program that reverses the function of LOAD in CP/M. That is, it changes a .COM file back into a .HEX file.

UNSPOL32.COM
UNSPOL32.DOC
A version of an unspooling utility. Allows you to send a file to the printer while still being able to use the computer. (Imitates a print spooler.)

DISK 110: POSTERS

DOGA-1.POC
DOGA-2.POC
DRAGON.POC
INCOUL.POC
PANTHER.POC
SHIP.POC
SNAGLUS.POC
TIGER.POC
TIGER2.POC
TWEET.POC
WTFIELDS.POC
XMAS.POC

To fit all of these posters on one disk, they were "squeezed" into a compressed format. (See Disk 105 for the program that did it.) Before you can use them, you'll have to unsqueeze them. You'll need two disks to split the full-sized versions of these posters, and then you can print them. (Typing with a CTRL-P will do it.)

DISK 111: KAYPRO 10 GRAPHICS

This disk includes the SBasic source code.

ATTRIB.BAS
ATTRIB.COM
Used to set any of the Kaypro 10 attributes.

CLS.COM
Clears the screen and resets the defaults.

GRAP1 [2, 3, 4, 5].BAS
GRAP1 [2, 3, 4, 5].COM
Examples of graphics.

GRAP6.BAS
GRAP6.COM
A table of contents and detailed graphics procedures.

DISK 112: HELPS 2

Here is the second disk of Help files. Unlike the first one, which contained standard public domain selections, this disk is composed of help files written specifically for Kaypro users. Perfect Software, The Word Plus, Profit Plan, and SBasic are covered. The programs are not as technically oriented as those on the first Help disk, and they are written in a style comfortable to users. There is also a long file on the Kaypro itself for beginning users, as well as some miscellaneous files.

SD.COM
This is an extended directory program with its own help file. It is versatile in that it can list the files in various formats. The default is listing them horizontally, in order by filetype extension, and then by filename.

DISK 113: BUSINESS PROGRAMS

Some of these business programs are written in SBasic and some were compiled forms. Others are in MBasic (in a protected format).

AMORT.BAS
AMORT.COM
AMORTIZE.BAS
AMORTIZE.COM
AMORT finds the monthly payment on a loan, including interest. AMORTIZE is an enhanced version (no rounding).

BIO.BAS
This program will display your biorhythm cycles on screen. BIOPRINT.BAS and PRINTBIO.BAS will output to printer.

COMPOUND.BAS
COMPOUND.COM
Find the interest on a bank deposit.

LEDGER.BAS
Allows up to 600 entries.

PSYCH.BAS
This will give you the relative humidity and other atmospheric data when information is entered.

SD.COM
This is an extended directory program with its own help file. It is versatile in that it can list the files in various formats. The default is listing them horizontally, in order by filetype extension, and then by filename.

STLDEP.BAS
Gives the straight line depreciation (decrease in value) for one asset, using the cost, lifetime, and salvage value.

TEMP.BAS
A program to convert degrees F. to C.

UPDEP.BAS
Finds units of production depreciation.

DISK 114: LITTLE BLACK BOOK

Here is an easy-to-use program that imitates a "Little Black Book" of phone numbers or a Rolodex. It was written in SBasic by a KUGGER, and source is included. Everything is clearly explained. It can sort, print mailing labels, and produce a listing of the entire database of names.

DISK 115: STARTREK & 15 GAMES

This disk has a large number of small MBasic games.

BANNER.BAS
You choose the characters used to print the message, as well as the height and width of the finished banner.

BOUNCE.BAS
Give an initial angle and watch the trail a bouncing ball leaves as it travels around your screen.

BUNNY.BAS
A small poster printout of the Playboy logo. See Disk 110 for the big posters.

CHIEF.BAS
You think of a number and the program figures out what it is by asking you to perform a little arithmetic.

ENTRAP.BAS
ENTRAP2.BAS
An MBasic version of an arcade game, sometimes known as Snake or Bananicles. You use directional keys to move around the screen, creating a wall to try to make your opponent crash. ENTRAP is for two players; ENTRAP2 is for one against the computer.

FOULSHOT.BAS
Try to sink a foul shot. You specify the angle to throw, and the trajectory is graphed on the screen.

HILO.BAS
In six guesses, you close in on a number that the program has chosen.

PLOT3D.BAS
Produces a three-dimensional picture of a cube.

POETRY.BAS
This program writes pseudo-poetry, selecting words at random from a list.

SINEWAVE.BAS
Plots a sine wave, which you can modify easily.

STARINSTR.BAS
STARTREK.BAS
This is the only big game on the disk, larger than the version included with MBasic. The instructions are in their own separate program.

TICTACTO.BAS
A simple version of tic-tac-toe.

TRAP.BAS
Another to ENTRAP, but without an opponent. You get points for staying alive, keeping from killing yourself.

WAVES.BAS
Here you have two sine waves, easy to modify to print whatever message you want.

WORD.BAS
Using clues on which letters are correct, you zero in on the word that the computer has chosen.

DISK 116: MULTI-FORMAT (II, 4, 10)

Although this program does what Uniform does, it does it in a different manner. There is no SETDISK or INTDISK. Developed by Steve Rasmussen of Kaypro Corporation, the entire program is menu driven.

The following formats are available on the disk:

KAYPRO Single and Double density
OSBORNE 1 Single and Double density
XEROX 820 Single and Double density
XEROX 820 Single and Double density
TRS 80 Single density
TRS 80 Model III
T Prof. Double density
IBM PC Double density
NEC PC 8001A
MORROW MICRO DECISION (MD2)
Multi-format programs run on CP/M only.

DISK 119: CONCENTRATION & GAMES

In addition to Concentration, there are 18 MBasic games on this disk.

CHECKERS.BAS
You can see the board as you play. Enter your coordinates and play against the computer.

CIVILWAR.BAS
You choose a famous battle to fight, making your own decisions. Watch the food, ammunition, and the soldiers' pay, and compare your actions in battle with the real ones taken.

(continued)

DISK 119 (continued)

CONCEN.BAS
A variation of Concentration. Turning over squares in a grid, you rely on your memory to match up pairs of items. Once you get them, you also uncover portions of a secret number, which you can also guess. (Not randomized.)

DOUGEM.BAS
For playing against the computer or another person. You move pieces across a grid while your opponent does the same in another direction. You block his pieces and try to get all of yours across first.

DUCK.BAS
An arcade game. Pressing numbers to fire at different angles, you shoot at ducks zooming past overhead. Beware of their dropped bombs.

GORGAM.BAS
This is a giant variation of Tic-tac-toe, in which you try to get five in a row on a board 19 by 19.

HANGMAN.BAS
Guess the word before you get hanged.

KIDNAP.BAS
A mini-adventure. Having been kidnapped, you must escape, one floor at a time, from a nine-story building with a puzzle on each level.

LSGOLD.BAS
Another mini-adventure. Three gold treasures were lost, and you have to find them, in the desert and mines. Has an option to print out the instructions.

MILLION.BAS
Make a few decisions and see if you can become wealthy.

OIL.BAS
OILINS
A game to make money in the oil business. Comes with its own instruction file. Make decisions on drilling, refining, exporting, and other matters.

POKER.BAS
Play with another person or with the computer.

QUEST.BAS
A little game that's almost a mini-adventure.

RALLY.BAS
A road race. Choose your car and decide how you want to drive it. Try to win without running out of gas.

STONEVIL.BAS
A mini-adventure. A fortune is hidden on the estate of Mr. Stoneville, and you must assemble objects in your search for clues to find it.

SWORDS.BAS
Answering questions, you cross a forest and rescue a princess.

TANK.BAS
Playing on a grid, you home in on the computer's tank and attack with canisters of paint.

USOPEN.BAS
A golf game with graphics. Each hole is shown as you play, and the green as well, when you reach it.

WALL-ST.BAS
Buy and sell stocks. Bankruptcies and stock splits may occur.

DISK 120: HP CALCULATOR & MISC.

CALC.COM
Written in SBasic by a KUGGER, this is a computer version of a Hewlett-Packard scientific calculator. The program is very similar to the original calculator. Reverse Polish Notation is used, and the last entries are shown. There are memory registers for displaying the internal workings of the calculator. It even includes the programmability features. The .CLC files are instructions for solving simple equations.

CALENDAR
CLNDR.COM
CLNDR.DOC
A program (originally written in Fortran), to produce the calendar for any given year (within limits). The output goes to the disk file CALENDAR. You can get a hard copy of any calendar you request.

XDIR.COM
An extended directory program, listing (in vertical format) files and sizes alphabetically, and disk space.

DISK 121: STANDARD FORTH

The true 79 Standard FORTH, upgraded. Limitations and bugs have been removed, and its power and utility have been enhanced.

FORTH.DOC
A description of this version and extensions for KFORTH.

FORTH.COM
The 79 Standard FORTH with Double Number Standard Extensions.

FORTHSCR
The screens containing the source for the KFORTH extensions.

KFORTH.COM
The extended FORTH including the Screen Editor, 8080 Assembler, and Decompiler.

DISK 122: SOURCE FOR FORTH

This disk, which contains the M80 Assembler Z80 source for the 79 Standard FORTH (see Disk 121), is for anyone who may wish to modify the nucleus.

DISK 123: WP AND PC

Twenty Perfect Calc templates (extension .PC) covering a range of applications, mostly financial, which Perfect Calc users may be able to modify to fit their own purposes. Also on the disk are a few utilities for word processing.

BRKEVLP.C
Break-even analysis.

CAPBUD.PC
Capital budgeting.

CASHBUD.PC
Monthly worksheet and cash budget.

CONNSTOC.PC
A stock dividend template.

CSTOFCAP.PC
Finds the cost of not taking a trade discount.

D.COM
An extended directory program which gives an alphabetical listing of the files on disk, with sizes and disk space available.

DEPREC.PC
An asset depreciation template.

EXPNPV.PC
Calculate expected net present value.

FILEMENU.BAS
FILEMENU.COM
FILEMENU.DOC
An SBasic program that provides a menu program for Perfect Filer, similar to the Perfect Writer menu program. Could be modified for other purposes.

FUTURES.PC
Futures market tracking system.

INTEREST.PC
This template acts as an account interest calculator for various compounding rates.

INVCOST.PC
Cost associated with inventory decisions.

INVTREC.PC
Provides capital gains/losses record.

MAGE.COM
MAGE.TXT
A life-saving program for WordStar that will recover a text file from memory. After some disaster like a full disk, or some fatal error, or something that put you back to CP/M, this will save the text in memory onto a disk file.

MULTDISC.PC
Multiple-discriminant analysis template, used for distinguishing between two series of numbers on the basis of their trends.

NEW-SWP.COM
NEW-SWP.DOC
Allows you to change the size of the PW Swap File. Another program to do this is SWAPCHG on Disk 127.

ORDER001.PC
An invoice orderform template.

ORDERFORM
A blank invoice orderform similar to ORDER001.

PCCOPY.BAS
An MBasic program which converts a Perfect Calc data file into a document file with numbers only, or formulas only. The numbers can then be transferred to another spreadsheet without linking, or the formulas can be used with an earlier version of Perfect Calc. This is also found, with two other related programs, on Disk 127.

POPUEXP.PC
A simulation of a population explosion.

RADIOEC.PC
A calculation of the rate of radioactive decay.

RATIO.PC
A ratio analysis template.

READ-SWP.BAS
READ-SWP.COM
READ-SWP.DOC
In case of an accident in PW, the program reads the Swap File and puts the text into a file called SWAP.MSS, ready for editing. An enhanced version of the program SWPREAD on Disk 127.

SPREADS.PC
A template to help figure monthly costs.

STKLST.PC
A number list of inventory stock items with room to add your own.

TBILL.PC
Evaluates treasury bill values.

WSPATCH.DOC
A listing of labels and patch addresses for WordStar in case you want to alter them.

DISK 124: UTILITIES 3

BISHOW11.COM
A program for viewing text files. The name comes from its ability to move backwards and forwards through a file.

CHARTST.BAS
CHARTST.COM
This program gives the decimal ASCII value of any character input. The CHR\$ and ASC functions in MBasic convert back and forth from one to the other.

CLICK.COM
A program like the one listed in the Kaypro User's Guide. It turns the electronic keyclick on or off. If you're annoyed by the keyboard's tiny squeaky beeps, this will silence them.

COMPARE.COM
This program will compare two text files, character by character, and list the differences. If you have two versions of the same file, this will tell you what the differences are.

D.COM
The extended directory program which lists files alphabetically, with sizes given.

DLABEL.BAS
DLABEL.COM
Here's a handy SBasic program to print out mailing labels. The program is more convenient than using a word processor. Just type in the data and get the labels.

DRIVER.BAS
DRIVER.COM
DRIVER.DOC
An SBasic program that provides a menu of all .COM (executable) files on a disk.

NSWP199.DOC
NSWP199.COM
This is the famous NewsSweep program, an easy-to-use disk cleanup utility. The files are listed alphabetically, and there are commands for copying, erasing, deleting, etc. This program also has P, to print a file (even a squeezed one), and Y, to change file status like STAT. The Q option, for squeezing, doesn't work in this version, though.

PRINT.COM
A utility for sending a text file to the printer neatly, providing paging with numbers and headings.

(continued)

DISK 124 (continued)

PRINTSQ.COM
Another utility for printing a file. It was originally part of the 50 family (on Disk 108) for printing out squeezed files. (TYPEQ and CTRL-P didn't work.) It can also be used for printing out text files in general, using wildcards.

QWIKKEY.COM
QWIKKEY.DOC
A public domain key-redefinition program. You can replace a single keystroke with an entire string, to avoid repetitive typing. Easy to use, but the new key definitions cannot be saved on disk.

SCREEN.BAS
SCREEN.COM
SCREEN.DOC
An SBasic program which displays the entire Kaypro character set. All the characters -- letters, numbers, symbols, Greek letters -- are in a table, listed by decimal ASCII value. **SCREEN.COM** works only on the Kaypro II.

SWAP.ASM
SWAP.COM
Redirects output from the screen (the Console) to the printer (the LIST device). You can then get a printout of whatever shows up on the screen during a program execution.

UNL.COM
UNL.DOC
Allows you to un-protect an MBasic program saved with the "P" option. (Those are the ones that look like garble when TYPED from CP/M, and cannot be LISTED in MBasic.) You can then examine the source and re-save it in ASCII format. Recent commercial releases are immune to this program.

UNDEL.COM
UNDEL.DOC
An undelete program that works on hard disks as well as a wide range of oddly formatted floppies. It checks the Disk Parameter Header, and it knows how to work on non-standard drives. No wildcards are allowed.

UNERL.COM
UNERL.DOC
An updated version of the UNERASE program on Disk 105. It allows wildcards (* or ?), so you can recover a large number of missing files from oblivion if you didn't write over them.

WCOUNT.COM
WCOUNT.DOC
This is similar to the WC feature of The Word Plus dictionary program supplied with many Kaypros. It counts the number of words in a text file and also gives the number of lines in the file.

WDIR.COM
XDIR.COM
Two extended directory programs. **WDIR** gives the size of the files in sectors (128 bytes), in case you want to know the sizes more precisely. **XDIR** shows the files alphabetically in an easy-to-read vertical format.

XTYPE.COM
An enhancement of the TYPE command of CP/M. It allows wildcards, so you can look at all the .DOC files on a disk with one command. Files scroll one after the other and can be listed to the printer.

DISK 125: HANDY TIME MANAGEMENT

The name says it all for this disk. The program presents a menu of choices: an appointment schedule, a calendar, a things-to-do list, a planning helper, a notebook, a phone directory, and even a simple decision-making aid. The menu-driven format guides you through all the possibilities. **HANDYSTIME.COM** controls everything, loading up overlay (.OVL) files for each option as needed. It creates data files on disk and updates them as needed.

Note: The .LBR file cannot be viewed without the LU (Library Utility) program. But there is no need to open up the .LBR file unless you want to play with the source files.

DISK 126: ASTRONOMY

This disk was written by a KUGGER interested in astronomy. Most of the programs were written in MBasic, with one being compiled from SBasic. These programs require a good knowledge of star-gazing.

ALTAZ.DOC
ALTAZ.DOC
An MBasic version of the STARFUX.COM program further down in the directory.

D.COM
A version of the extended directory program. It has some minor differences.

DIRN.COM
Not a directory program, despite its name. This program by Frank Gaudé is a disk-cleanup utility like **NSWEEP**. The files are listed alphabetically, along with a menu of simple file operations. It is smaller than **NSWEEP**, and has a good selection of options.

HYPERROL.BAS
PARABOLA.BAS
PARABOLA.DOC
SPHERIC.BAS
These programs model illuminated hyperbolic, parabolic and spherical reflectors.

SCROLL.COM
A program for viewing text files. There are single-letter commands that are reminiscent of Perfect Writer. There is "F" for next screen, "Z" for previous screen, "C" and "Y" for the ends of the file, and "S" for searching.

STARFIX.BAS
STARFIX.COM
STARFIX.DOC
Provides the location at which a particular celestial body can be seen. It requires input from the user: the position of the object on the celestial sphere (in declination and right ascension); your position on the globe (in longitude and latitude); and the date and time (Gregorian calendar and Greenwich Standard Time), all in great accuracy. You then receive the altitude and azimuth for finding your object.

DISK 127: PC AND PW

Here are utilities written by KUGGERS for use with Perfect Calc and Perfect Writer.

CRCKLIST.CRC
A file with the CRC, or Cyclic Redundancy Checker, value for the files on this disk.

D.COM
The extended directory program which gives file sizes and an alphabetical listing.

DISK.COM
The program called **DIRN** on Disk 126. A disk-cleanup utility. It is similar to **NSWEEP**, which is also a very handy program.

NS.COM
This is **NSWEEP**, called **NSWP199H** on Disk 124. A disk utility for general file handling.

PCCOPY.BAS
PCCOPY.COM
This and the two programs following aid in the transfer of data to and from Perfect Calc spreadsheets. All perform similar basic functions, but they have differences. This program takes a section of your spreadsheet and produces a datafile containing either the numbers only, for transfer to another spreadsheet, or the formulas only, for earlier versions of Perfect Calc.

PGCOTO.BAS
PGCOTO.COM
PGCOTO.DOC
Writes the numbers from a section of your spreadsheet into a document file for later use. Its function is also performed by the previous program.

PCINPUT.BAS
PCINPUT.COM
PCINPUT.DOC
Completes the task of reading data into your Perfect Calc spreadsheet. It will read a comma-delimited database file, like the .DTA files of DataStar, or a document file, with the numbers in a matrix.

PWCONFGB.BAS
PWCONFGB.COM
PWCONFGB.DOC
An improved version of a "home-grown" configuration program for Perfect Writer, described in the KUGRAM, Vol. 1, no. 5, p. 16. It can change the size of the Swap File and can also alter tabs, cursor display, fill and indent columns, CPU rate, and delay count.

SWAPCHG.BAS
SWAPCHG.COM
SWAPCHG.DOC
Changes the size of the Perfect Writer Swap File. Writers of extremely long files will welcome this. It will create a new Swap File of a size you specify, as long as the size is a multiple of 8K. There is a limit to how large you can create it, but that is larger than can fit on a Kaypro disk with PW on it.

SWPREAD.BAS
SWPREAD.COM
SWPREAD.DOC
Here is a way to rescue a file that was lost during an edit session due to some disaster: by reading the pieces in the Swap File. With some luck, you should be able to recover large portions of the file with this program. A version was described in the KUGRAM, Vol. 2, no. 2, p. 15 (see Disk 123), and this version is improved, with self-documentation. It will scan through the file and put all ASCII text into a file called **SWAP.MSS**. Unwanted garbage characters are rejected, but tabs are kept, and repeated text is edited out.

V100FILE.DOC
V100FILE.DTA
V100FILE.PC
V100PART.DOC
V112FILE.PC
Example files for the PCCOPY, PCGOTO, and PCINPUT programs -- a document file, a database file, a Perfect Calc file, and a file for another version of Perfect Calc.

WC.COM
This program counts the number of words in a text file, like the WC program for The Word Plus. A similar program, **WCOUNT**, is on Disk 124.

DISK 128: KAREL THE ROBOT

This is a fascinating disk to look at, though at first it may seem a little intimidating. It is a version of Karel the Robot for the Kaypro and SBasic.

Karel is described in the book "Karel the Robot: A Gentle Introduction to Programming" by Richard E. Pattis of Stanford's Computer Science Department. The book and the "robot" are meant to introduce concepts of computer programming.

Karel is an imaginary robot with a few similarities to the turtle in the language LOGO. But instead of drawing lines, Karel moves around a grid-like world; he goes around walls and drops "beepers," or markers. By instructing Karel with simple programs, one can learn how to think in a more structured manner.

KED.COM
The syntax-oriented editor that is used to compose the Pascal-like programs.

CREATE.COM
Translates the program into SBasic, using the file **KHEAD.BAS**.

KAREL1.COM
Creates a world for Karel to play in. You then run your program and see Karel moving, obeying your instructions, in an imaginary world.

DISK 129: MONOPOLY, MBASIC GAMES

This disk contains MBasic programs (extension .BAS) with the exception of **ADDING.BAS**, which is the source code for **ADDING.COM**. You need MBasic in order to run these games. It is best if you split the files on this disk into two disks, each containing a copy of MBasic.

ADDING.BAS
The source code for **ADDING.COM**.

ADDING.COM
A children's adding game.

ANIMAL3.BAS
A computer "learning" program. The computer tries to guess which animal you thought of.

BACCRRY.BAS
Plays a game of baccarat.

BASEBALL.BAS
You control the pitches and bating strategies.

BLACKBOX.BAS
A computerized version of the popular board game.

DISK 129 (continued)

CASTLE.BAS
CASTLE.DOC
An adventure game where you search through the castle of a wizard for the Orb of Power.

CORRAL.BAS
You are a cowboy and must catch a horse in a corral, trying to avoid getting kicked.

GUNBAS
You are an artillery officer who gives firing orders to a gun crew, telling them the degrees of elevation so that they can hit the target before it hits you first.

HANGMAN.BAS
Guess the computer's word.

LANDING.BAS
A computer simulation of an Apollo lunar landing. Set the burn rates without crashing.

MADLIB.BAS
Enter nouns, verbs, adjectives, etc., and the computer generates funny stories.

MARS.BAS
A Mars landing adventure game.

MAZE.BAS
The computer creates a different maze each time you enter the dimensions.

MONOPOLY.BAS
MONOPOLY.DOC
The documentation explains this computer-assisted game.

PONGN.BAS
Aim a bouncing ball to hit a target as quickly as possible and score points.

RACER.BAS
A graphics-oriented game of downhill ski racer.

RECIPES.BAS
Converts ingredient measurements in all recipe portions.

TRIVIA-Q.BAS
An entertainment trivia question game.

TYPING.BAS
Learn to type faster with a game that gets faster as you get better.

DISK 130: MASTER CATALOG

This disk contains programs and instructions for creating and maintaining a master catalog.

CAT.COM
Searches the **MAST.CAT** file for certain user-defined parameters and displays them to the screen. CAT may be used to look for a given filename or for the files on a given disk. This is the program you will use to find files that are entered into the catalog system.

CAT1.COM
Reads the directory of a disk and creates a file called **NAMES.SUB** that consists of the alphabetized filenames.

CAT2.COM
Merges the **NAMES.SUB** file (created by CAT1) into the **MAST.CAT** file.

CATALOG.DOC
Detailed documentation on creating and maintaining your own master catalog.

CATX.COM
Reads two separate **MAST.CAT** files and compares them, determines which files appear in one catalog but not in another.

HELP.COM
Used to display **HELP** files on the console.

MAST.CAT
An ASCII (text) file consisting of the names of files on cataloged disks. The file, which is created initially by the user, is maintained by CAT1 and CAT2.

XCAT37.COM
Reads the **MAST.CAT** file, removes duplicate filenames, and creates a file that lists each filename only once, followed by the Volume Serial Number of the disk. Can also be used to print a listing of the catalog.

DISK 131: LOGO GEN./MX80-FX80

This disk has nothing to do with the language LOGO. It contains programs for the printing of small designs or logos on your dot matrix printer, specifically the Epson printers. There are a couple of additional programs included as well. The .PAS files are the Turbo Pascal source files used to write most of these. Some familiarity with the language and your printer's operation may allow you to reconfigure these for another machine. The .BAK files are the backup versions.

GLABEL.BAK
GLABEL.COM
GLABEL.PAS
A demonstration application program, utilizing the logos you create, for printing disk labels.

GRAPH.BAK
GRAPH.COM
GRAPH.PAS

The main program for the disk, the one that allows the actual design of your logo. It presents you with a close-up picture of your logo, using the screen as a window passing over the design. As it was meant for use without screen graphics, each character (an asterisk) represents one dot in a 256x160 matrix (roughly a 2x2 inch square on paper). Control keys move you around and perform a few functions.

LABEL.BAK
LABEL.COM
LABEL.PAS

Another application program demonstrating the created logos, very similar to **GLABEL**.

LOGO.GRF
LOGO1.GRF
TEMP.GRF
Examples of saved logos.

PRINT.COM
A printer listing utility, written in SBasic and assembly language. It gives you paging, with a header and page numbering.

SALES.BAK
SALES.COM
SALES.PAS
A third application program demonstrating the created logos, using sales invoices.

SWAP.BAS
SWAP.COM
SWAP.PAS

A version of the program to alter the size of Perfect Writer's Swap File. Other versions can be found on Disks 123 and 127. This allows both alteration of the file's size and adjustment of some other settings in Perfect Writer.

DISK 132: SUPER UTILITIES 4

This volume, submitted by T.R. Hofmann, is composed of printer utilities, WordStar information files, general Kaypro information files, and a few general utilities.

CB.COM
This program gives you a cold-boot.

CHAR20.DOC
A hand-coded file containing the full ASCII character set. It is included to allow you to see precisely how these various characters are represented on screen and by your word processing program.

CLIC.COM
Gives you some toggles for your Kaypro, with a keylock switch, Greek character set switch, and clear screen switch.

D.COM
D2.COM
D3.COM
D4.COM
D5.COM

Extended directory programs. All give alphabetical listings, file sizes, and space free. Format and other specifics vary.

DECRASH.DOC
Some hints on how to recover from a system crash. Instructions on using the **SAVE** command and the **DOT** utility.

DIRLSRV
Some miscellaneous thoughts by Mr. Hofmann on directory programs and on organizing a survey of the ones found in the public domain.

DIRSAVE.DOC
Gives various procedures to try if the directory tracks of your disk have been scrambled.

EP5FX80.COM
EP5MENU.COM
EP5MENU.DOC
EP5MENU.DOC

A set of menus presenting choices to program your Epson printer. They differ in the features that they program, with the sum total covering most of the things that you'd want to control from your computer: line spacing, italics, compressed or double width, pitch, font, unidirectional printing, and self-test.

FILEFRMT.DOC
Here are Mr. Hofmann's thoughts on the idea of a standard format for catalog descriptions of files. He is looking for a format that will give basic, necessary information concisely, allowing people to see if the program is what they're looking for.

KAYPRO.DOC
This file talks about CP/M in general, with specifics toward its implementation on the Kaypro II and the Kaypro 3. Information on disk sectors and tracks, records and blocks, allocation groups, FCB's and directories, and RAM utilization are included.

MENU-V2.COM
Creates a menu of the .COM files on disk, for you to execute.

OK.COM
OK1.COM
OK2.COM
OK192PAR.COM
OKIMENL.COM
OKIMENL.DOC

These programs are similar to the ones above for the Epson. Various menu programs allow the machine to be set for different print modes. Among the settings that may be changed are pitch, lines per inch, correspondence and double width. **OKXDOK** is actually a source file from SBasic, showing the ESCape sequences which are sent to make the adjustments.

PRINSET.COM
PRINSET.TXT
A general-purpose menu program for setting the printer features you want. Presently configured for an Epson FX-80, it can be altered using **DOT**.

PRINTFAC.DOC
Mr. Hofmann's observations on printer initialization. Information and suggestions are included.

WASH-E.COM
A version of the disk maintenance program, **WASH**, a smaller relative of **NSWEEP**. It presents a disk directory and a menu of commands to use on files, performing basic CP/M housekeeping functions.

WSCUSTOM.DOC
This is a revised version of **WSPATCH.DOC**, found on Disk 123. It lists the presently-known addresses for various functions of WordStar, allowing patching or alteration with **DOT**.

WSPAD.CFG
Suggestions for configuring your keypad using **CONFIG**, for use with WordStar. Two patterns are included, each putting the cursor movement and the prefix commands onto the keypad.

WSPRINT.MO
Some information on WordStar's names for its printer codes, similar to **WSCUSTOM.DOC**. Tells how WordStar asks the printer to perform some of the tricks it requests.

DISK 133: STATISTICS 2

This disk and the four which follow contain statistical programs written in SBasic and submitted by John V. Flowers. These programs deal with advanced statistical tests.

MEAN.COM
Mean and standard deviation.

MEAN-GRP.COM
Mean and standard deviation of grouped data.

(continued)

DISK 133 (continued)

Z-TRANS.COM
Z transformation of data.

RANK-ORD.COM
Rank order of data.

T-TEST.COM
T-test, single sample; homogeneous variance; heterogeneous variance; correlated samples.

T-TEST2.COM
T-test, assumptions unknown.

WHITNEY.COM
Mann-Whitney.

WILCOX.COM
Wilcoxon test.

SIGN.COM
Sign test.

F-DIST.COM
F distribution.

RUNS-DIS.COM
Wald-Wolfowitz runs distribution and table.

BNOMIAL
Binomial distribution.

DISK 136: STATISTICS 5

ANOVA1.COM
One-way analysis of variance.

ANO1-REP.COM
One-way analysis of variance with repeated measures.

COVAR1.COM
One-way analysis of co-variance.

KRUSKAL.COM
The Kruskal Wallis test.

FRIEDMAN.COM
The Friedman test.

COCHRAN.COM
The Cochran test.

F-TEST.COM
F-test.

DISK 134: STATISTICS 3

CORR.COM
Linear correlation.

RAND-COR.COM
Rank order correlation.

KEN-TAU.COM
Kendall tau statistic.

KEN-COR.COM
Kendall concordance statistic.

BISERIAL.COM
Point biserial correlation.

LN-REG.COM
Linear regression.

MULT-REG.COM
Multiple regression.

HARTLEY.COM
The Hartley test.

TUKEY.COM
The Tukey test.

SCHIEFF.COM
The Scheffe test.

NEWMAN.COM
The Newman Kuils test.

DUNCAN.COM
The Duncan test.

NORM-DIS.COM
Normal distribution.

DISK 137: STATISTICS 6

ANO2-FIX.COM
Two-way analysis of variance, fixed effects.

ANO2-RAN.COM
Two-way analysis of variance, random effects.

ANO2-MIX.COM
Two-way analysis of variance, mixed effects.

ANO2-REP.COM
Two-way analysis of variance, repeated measures.

ANO2-NES.COM
Two-way analysis of variance, nested design.

ANO2-UNE.COM
Two-way analysis of variance, unequal cell size.

COVAR2.COM
Two-way analysis of co-variance.

ANO3-FIX.COM
Three-way analysis of variance.

FRIED-DIS.COM
The Friedman distribution program.

DISK 138: FRANKENSTEIN

This is a giant MBasic game, a long simulation of the creation of Frankenstein's monster, with you as the scientist.

From the menu program FRINTRO.BAS you can receive instructions and enter the game. You then do everything from uncovering the secret notebooks, to all the steps of creating the monster, to battling the angry villagers (with the aid of Igod). You gather and lose points while avoiding death.

The game is largely question-driven, with some real thinking, a little trivia, and some random guessing involved. There are mainly humorous text screens, but also a few graphics screens and simple video game sequences.

T-DIST.COM
T distribution.

CORR-DIS.COM
Correlation tables and distribution.

RANK-DIS.COM
Rank order correlation tables and distribution.

KEN-DIS.COM
Kendall tau tables.

KCON-DIS.COM
Kendall concordance tables.

WHIT-DIS.COM
Mann-Whitney tables and distribution.

WIL-DIS.COM
Wilcoxon tables and distribution.

KOL-DIS.COM
Kolmogorov-Smirnov tables.

KOLDIS-B.COM
Kolmogorov single sample tables.

CHI-DIST.COM
Chi square tables.

DISK 139: LITTLE BLACK BK UPDATE

This is a revised version of the SBasic program on Disk #114, a computerized Rolodex by Thomas Mierau. This version (2.2) is written in MBasic. As before, it is an easy-to-use program for keeping an address book or list of phone numbers. It is menu driven, and a movable pointer leads you through a directory listing. You have a record (expanded from the first version) for information on each entry. The program is able to make labels and also print a sorted listing.

DISK 140: FILE CARD DATABASE

This is a database program, written in Turbo Pascal (no source code included), by Thomas Mierau. The menu allows you to create a new database, add records, access records, or search by a keyword. Each record is meant to fit on a file card for printing. Four keywords are allowed, and ten lines of textual information. A simple text editor is used to enter data. The program is menu- and question-driven.

DISK 141: K10 HARD DISK UTILITIES

Can be used with external hard disks as well.

BACKUP.COM
BACKUP.DOC
Backs up your hard disk onto a series of floppy disks, sorting them alphabetically for each filetype. Will print a directory listing. Eliminates duplicates and unnecessary files, allows copying of entire filetypes or specific files, and asks for a three-digit ID number to identify each disk.

BIGBURST.COM
BIGBURST.DOC
Backs up and restores files larger than the storage capacity of a single floppy. Prompts for each disk and numbers the disks. They are restored in the correct order. Creates .BAK file on hard disk during restore.

FLASH.BAS
MBasic program providing a simple arithmetic drill. Utilizes video capabilities of a Kaypro 10 (or '84 machine).

FLOPCOPY.COM
FLOPCOPY.DOC
Backs up a floppy disk. Uses the hard disk as a buffer for the files. Can create multiple copies.

LSQ.COM
A Least Square curve-fitting program. Will take a number of data points and compute a line to fit them, giving slope, intercept, and error. Can print table of data.

MAKE.COM
MOVE.COM
Programs to move files from one user number to another (not by recopying, but by changing bytes in the disk directory entry). MAKE allows you to specify the user area where the files are, while MOVE assumes the current user number.

MDIR.COM
Shows the entire disk directory, alphabetized, for all user areas.

MULTCOPY.COM
MULTICOPY.DOC
A convenient replacement for PIP when transferring multiple files from the hard disk to several floppy disks. It prompts for changing the disk.

SWEEP.COM
SWEEP.DOC
Disk file maintenance utility, giving an alphabetical circular directory and allowing viewing, renaming, deleting, copying, and other file operations.

U.COM
Logs you into a different user area and drive.

UNSQ.COM
Converts a file in compressed form back into readable form. Accepts ambiguous file names.

DISK 142: ACCOUNTING PACKAGE

Menu-driven Accounts Receivable program compiled in Basic. The handling of invoicing allows up to two hundred accounts per file and can do sales of goods and posting of sales or checks. The inventory program is able to list and print number or description. Printouts can be made on preprinted invoice forms.

DISK 143: DISK MANAGER +

Various CP/M utilities, a desk management program, and programs for working with text files.

CALCULAT.COM
A calculator program similar to @COM on Disk 109.

CHDIR.COM
Imposes a named directory structure on your disk, giving you another means to find your way around your disk files. Entering CHDIR <dirname> will take you to a certain drive/user area. One of the options asks for an unknown password.

DIF.COM
DIF.DOC
Makes transfer of updated files easier. Examines old and new versions of a file and creates a .DIF file of the differences. Other people can then use SSED with the .DIF file to update their copies of the old file.

DISK.COM
A disk diagnostic program.

DSKMANGR.COM
APINDEX
CDINDEX
MEMINDEX
A desk management program (compiled from Basic) with data files. Menu driven, gives options to: write memos, make up a card file, make an appointment calendar, or use a calculator.

DUPUSR.COM
Creates extra entries in the disk directory, entries which point to a file in another user area. A file is then accessible from several user areas.

FILTEX.COM
FILTEX.FIL
An ASCII file filter utility. Takes an input file, deletes control-characters, strips out high-order bits, and fixes orphan linefeeds.

LIST.COM
Similar to TYPE. Displays a file a screenful at a time.

MENU.COM
Gives a menu of all the .COM files on your disk, so that you can choose which one to run.

PROTEC.COM
Program to protect a file by setting the R/O, SYS, or other tag attributes of a file.

RECOVER21.COM
A menu-driven program to recover erased files.

RENAME.COM
Allows ambiguous file names. Has an inspect mode to check each file and is able to operate on SYS files.

RESTART.COM
Re-executes the last program in memory.

ROFF.COM
ROFF.DOC
Text formatter. Prints text files neatly formatted. All format parameters have default values and can be changed with embedded commands similar to dot commands.

TABIFY.COM
Replaces multiple spaces in a text file with tab characters, cutting down on space.

WASH.COM
Disk maintenance utility. Gives an alphabetical directory and allows viewing, copying, and other file operations.

DISK 144: WORD PROCESSING +

Most of these files relate to word processing in one way or another, WordStar in particular.

ENSOFT2.COM
ENSOFT2.DOC
Converts pure ASCII text files to the type that WordStar uses, putting in soft carriage returns and other special characters.

ENVELOPE.COM
ENVELOPE.DOC
Prints addresses for envelopes without retyping the information from the letter. It searches memory, or a disk file, for a marked block of text and prints that block directly.

MAILS.BAS
MAILS.DOC
Generates form letters. You write your template for the letter into the program listing, and then you are prompted for the individual names and addresses.

MEMORIZE.BAS
MEMORIZE.COM
HUMPTY.MEM
LAMB.MEM
MEMU.MEM
Tests your ability to memorize text. You examine or compose a text file (with the extension .MEM), and then the program asks you to retype it from memory.

HELP.COM
Displays help screens on a given topic. Used to read INDEX.HLP.

INDEX.COM
INDEX.HLP
Constructs an index for a WordStar file. You mark words and phrases in the text, and the program compiles an alphabetical listing with page numbers.

MS-SAVE.COM
A program to recover an MBasic program which was not saved before returning to CP/M.

MSALNF
MSA15.COM
MSA15.DOC
A disassembler, converting a .COM file back into its source .PBR or .ASM file.

NSWP205.COM
NSWP205.DOC
Version 2.05 of NewSweep, the disk maintenance program. Aside from the usual copying, deleting, renaming, etc., this version implements squeezing and unqueezing, and has a find file command.

PROPOR.COM
PROPOR.DOC
Gives proportional spacing with WordStar. Patching is required, and works only with a NEC or C. hot dot matrix printer.

QWIKKEY.COM
QWIKKEY.DOC
A key redefinition program like CONFIG. Allows you to define strings for up to 16 keys, with up to 36 characters for each. Definitions remain till the next cold boot, or the execution of certain high-memory programs.

UNPRO.COM
Unprotects MBasic programs saved with the "P" option, allowing them to be listed.

UNSOFT.COM
UNSOFT.DOC
The converse of ENSOFT, this program turns a WordStar file into ASCII text, stripping high-order bits and removing special characters.

WS-SAVE.COM
Recovers a WordStar file from memory if it wasn't saved to disk. Like MS-SAVE, it works after each interruption or a cold boot, but not after a loss of power.

WSSUBMIT.DOC
DEFAULTS.SUB
MESSAGE1.SUB
MESSAGE2.SUB
PRINT.SUB
These files, when used with DDT and SUBMIT, automatically patch your copy of WordStar. The first .SUB file alters a few default values on-screen, the last one lets WordStar use an Epson MX printer's special features, and the second and third change the print menu ("P" prefix) correspondingly.

DISK 145: TYPE AND MATH

This disk contains mostly simple drills in arithmetic, written in MBasic. They give practice in addition, subtraction, and multiplication. There is a number-guessing game as well. A few programs relate to typing.

ANCHP.BAS
ANCHP.DOC
Prints out a hardcopy test paper; related to the other test programs here.

GENADD.BAS
GENADD.DOC
Prints out multiple copies of your name, address, and phone number, as on a business card.

DISK 146: UTILITY 5

Here is a disk filled with utilities that deal with disk operations, word processing, and MBasic programming.

DEBUGGER.BAS
DEBUGGER.DOC
An aid in debugging MBasic programs. It prints out a list of all the variables used in your program, giving their type, size, and all the final references. You can then follow the program more accurately.

DSKNAME.COM
DSKNAME.DOC
A simple program to name your disk; saves a .OK file on disk. The filename begins with a "-" so that it will be listed first alphabetically.

DU-V77.COM
DU-V77.DOC
Version 7.7 of Christensen's disk utility program. Complex and powerful, it allows you to view your disk and its sectors in various ways and to modify the data on it. Knowledge of this program allows you to duplicate the actions of many other utility programs.

KSTROKES.ASM
KSTROKES.COM
KSTROKES.DOC
A key redefinition program, like QWIKKEY. The menu offers options, such as defining eight special function keys at up to 63 characters each, or defining a "macro" with up to 100 characters, which can be saved to disk. The special function keys are called by a title plus a number. You can also alter the transmission speed of the string or reconfigure the keypad with single character definitions.

PASS.BAS
PASS.COM
PASS.DOC
A password program for disk security. When a password is installed, a prompt comes up after each cold boot, holding back the A> prompt until the proper entry is received.

ROFF.COM
ROFF.DOC
ROFF.H
ROFF.L
ROFF2.C
A text formatter which prints out text files neatly. The format parameters have default values, but all can be reset by embedded commands resembling WordStar's dot commands.

SAP38.ASM
SAP38.COM
SAP38.DOC
Sorts and packs your directory. It rewrites the files on your disk in alphabetical order, cleaning out erased files and unused sectors. Makes the directory neater and allows certain programs to run faster.

SUPERSUB.ASM
SUPERSUB.COM
SUPERSUB.DOC
A replacement for CP/M's SUBMIT, which allows automated batch processing. Its features include nesting .SUB files, a help function, and the ability to take instructions from a command string or an interactive mode.

DISK 161 (continued)

DDRAW.COM
DDRAW.DOC
DDRAW.WOT
This is an early version of a new and significant program in the public domain, written in Turbo Pascal by D. Griffith. It is a graphics drawing program specifically for graphics-equipped Kaypro's. You draw with a resolution of 100 x 160 pixels; the numeric keypad control the graphics cursor. Commands are available for drawing lines and circles; shapes can be filled, and text can be mixed with graphics. A help menu can also be filled up. The screens that you draw can be saved on disk, or printed (with a Gemini or Epson printer). Subpictures can be defined and saved separately.

DU-V87.DOC
DU-V88.ASM
DU-V88.COM
Here is the latest release of Ward Christensen's Disk Utility. (Previous versions can be found throughout the KUG Library.) This program allows you to do low level operations on your disk. You can move around by sectors or tracks, change bytes in the directory or in files, move sectors, or otherwise alter the data on your disk. For experienced users.

EDIT.COM
EDIT.DOC
This is a little multi-function disk utility. It acts as an extended directory program, a file copier, a simple memory address patching program, a file printer, and a line editor. All of these functions are called up with variations in the command line. The editor has its own set of commands.

FBDAS6.COM
FINDBAD.INP
Here is another version of FINDBAD.COM, the well known disk saver. This program checks your disk for bad sectors, and creates a file called [UNUSED].BAD composed of those bad sectors. Those sectors are thus made unavailable for use by other programs, so a bad disk can still be used without producing "Bad Sector" error messages.

TIME.ASM
TIME.DOC
This is a program to be assembled that accesses the internal time clock in the Kaypro 4-84. When executed, it clears the screen and prints the date and the time on two lines in the upper right corner of the screen.

DISK 162: 20 PRINTER CONFIGS

This disk is filled with printer configuration files for Perfect Writer, Brother, Compaq, Daisy, Diablo620, Diablo630, FX80, FX100, Gemini10, Gemini15, ID5480, MX800+, MX1000+, NEC8023, Okidata84, Okidata92, Olympia, Prowriter, Silver-Read, Starwriter, and Tandy. Included is the PFCONFIG.COM program to configure Perfect Formatters.

.DOC files give information on the various printers, such as DIP switch settings, device names to use, etc. .DAT files are meant to be used as PFDAT files with the configuration program; they will set Perfect Writer so that it should run properly with that particular printer.

DISK 163: SIMPLE DATA BASE SYS

This disk contains programs written by KUGGER Roger McKee using Turbo Pascal and Turbo Tutor (the set of database utilities for Turbo Pascal).

AF.COM
AF.DOC
This is a menu-driven address file, a simple database program. The records of a database contain fields for name, address, comments, and an ID code. The program allows you to find any record by name or ID field, and you can browse through the database, editing or adding new records. You can list the database (to screen, file or printer) with a variety of sorting options: sorted by name, ID code, with a wildcard mask, or a specific search string. You can also merge information from one database to another.

D.COM
An extended directory program, with files listed alphabetically with sizes.

GEMINI.COM
GEMINI.PAS
This program presents a large menu for setting the options on a Gemini 10X printer. The pitch, the number of lines per inch, super- or subscript mode, halio or other print mode, print text, page margins, and page length can all be selected.

GRAPH10X.COM
GRAPH10X.DOC
GRAPH10X.PAS
This program allows the printing of graphics on a Gemini 10X printer. You compose the image you want with a word processor, entering a series of lines of equal length, with a dot for the point you want a dot to appear (where a plot will fire). This is converted by the program into a high-resolution picture up to two inches wide.

TEST.DAT
TEST.IDC
TEST.IDN
These files comprise a sample database for the Address File.

TEST.PIC
TEST2.PIC
The .PIC files are sample pictures for GRAPH10X.

DISK 164: POOR MAN'S RCP/M SYS

Here is a group of programs to let you set up a simple Remote CP/M system, i.e., to allow people to call in and use your computer via modem. They can then download the files that are available, or upload files of their own.

This is not an actual bulletin board system, with an environment for browsing through messages; it acts like a normal computer used by the person calling in. It is also not a security system. It is intended only to use among a group of trusted people. "Going public" -- allowing anyone to call in -- would be unsafe, as someone can crash the system fairly easily. These programs have been configured for use with a Kaypro. Most were collected here by Terry Carroll.

BYE.COM
This is the program that basically makes an RCP/M possible. It answers the modem when someone calls in, and gives control over to the caller until he leaves. The sysop (system operator) will be able to see (watch on screen) what the caller does. This version supports drives A-C, user areas up to 15.

CHAT.COM
This program allows a caller and the sysop to type directly to each other, back and forth. The caller uses this program if he wants to chat, and the sysop will respond if he wishes.

LISTT.COM
LISTT.DOC
This is a file-printing utility. It prints files with paging and allows headings, setting the left margin, and choosing which page to start and stop printing on. It prints control characters embedded in the text.

LSWEEP.COM
This is a program meant to work with library files (.LBR), which are very common on RCP/M's. These are large files composed of several individual files grouped together, making file transfers more convenient.

The program resembles SWEEP and NSWEEP, general file utility programs. It presents a command menu and a circular alphabetical directory of the member files in the library file. It allows library operations, such as creating a library, extracting, viewing, deleting the member files, etc.

NOTE.COM
Here is how one can leave messages on the RCP/M. This program lets you type your name and up to fifty lines of text into a little text file, so that the sysop or other callers can read it.

NSWEEP208.COM
A version of the NSWEEP file utility program. Allows copying, viewing, deleting, squeezing, or printing of files.

NULU11.COM
This is a library manipulation program, with the features of LU, the Library Utility, and LSWEEP. It allows the library operations of either program, with the command format of either program, in less space than either.

PWRCPM.HLP
Here is the help file to tell you how to work these programs. Brief, but the programs are meant to be easy to get running.

RDIR.COM
An extended directory program especially for use on an RCP/M. Along with an alphabetical listing with file sizes, it gives the time required to transfer the files at the caller's baud rate.

SD.COM
An extended directory program.

XMOEM.COM
This is the program that allows file transfers to and from an RCP/M. The caller can use it to upload or download files. As a safety feature, \$SYS files cannot be transferred, and .COM files must have the type .OBJ to be transferred. The file transfer protocol used by this program is the one which public domain modem programs must match.

DISK 165: EASY BOOKKEEPING

BKCLOSE.BAS
BKCLOSE.COM
BKCREATE.BAS
BKCREATE.COM
BKPOST.BAS
BKPOST.COM
BKREPORT.BAS
BKREPORT.COM
BKUTIL.BAS
BKUTIL.COM
BKVIEW.BAS
BKVIEW.COM
README.DOC
TEST
This is a series of programs for handling a general ledger, translated into SBasic, derived from programs in the book "BASIC Computer Programs for Business, Vol. 1." There is little documentation, but the programs may be usable without it. Source code is provided for perusal or even modification.

With this system of programs, one can create files of records for one's accounts; post journal entries of transactions; add, change, or display entries for an account; display a list of accounts; or print reports of income statements or balance sheets. The programs are menu driven, and each is separate from the others (not linked).

DISK 166: FAMILY TIES 1 of 2

BASRUN.COM
FGS.HNS
FT.COM
FTINSTAL.COM
FTINSTAL.DAT
FTINSTAL.MSG
GRSH.COM
NAMES.DAT
NAMES.HNS
PRINT.CTR
README
REGISTR.FRM
USER-NO.COM
This is a checkbook balancing program, invoked by HELP, a menu-driven program which calls CHECKT and RECON, and has complete instructions. It has options to enter and revise entries, and produce summaries for a month or for the year so far. Entries requested include checks, deposits, interest, and withdrawals. In addition, there is an option to reconcile the computerized checkbook with the bank statement.

DISK 167: FAMILY TIES 2 of 2

BASRUN.COM
FGS.FRM
FGS-LDS.FRM
FORMS
FTDEM0.COM
FTDEM0.DAT
FTDEM0.DOC
FTDEM02.COM
FTDEM02N.COM
MANUAL
PEZ.FRM
These two disks are a collection of genealogy programs written in compiled MBasic. It is userware, and the author, Neil Wagstaff, requests a donation if you find the programs useful. It has an extensive documentation file and a lengthy demo program.

The program keeps records on an entire database of people, each of whom must be related to someone in the database. Each record contains data such as dates of birth, marriage, and death; names of children, parents and spouse; along with codes indicating the reliability of the information, etc.

(continued)

DISK 167 (continued)

There is also the option of entering data in the Moonform (Letter Day Saints) format. There are Moonform commands to print out a pedigree, a family group sheet, to search by name, or to go to a particular record. You can also move through the database following a chain of relatives. Most screens present a heading line of the commands available in a certain mode.

DISK 168: DJIPILOT

This disk is basically made up of two business programs and their accessory files.

DJICONS1.SEG
DJIDATA.SEG
DJIPLOT.BAS
DJIPLOT.COM
DJIPLOT.DOC
This plots the weekly closing values of the Dow Jones Industrial Index. It computes the running averages for the last 39 and 62 week periods and plots those values as well; the output, in the form of a circular file directory. The file DJIDATA.SEG, a graph, goes to the printer. The file DJIPLOT.SEG, a datafile with the Dow Jones values from Jan '77 to Dec '83, can accommodate up to a decade's worth of data.

The SBasic source code for the program is included, so you can create a larger datafile or make other alterations.

BUDGET.DAT
CHECK.COM
CHECKT.COM
D.DAT
HELP.COM
HELP.MSS
MON1.DAT
MON10.DAT
MON11.DAT
MON12.DAT
MON2.DAT
MON3.DAT
MON4.DAT
MON5.DAT
MON6.DAT
MON7.DAT
MON8.DAT
MON9.DAT
RECON.COM
STUB.DAT
TRANS.DAT
TRYTOTAL.DAT
This is a checkbook balancing program, invoked by HELP, a menu-driven program which calls CHECKT and RECON, and has complete instructions. It has options to enter and revise entries, and produce summaries for a month or for the year so far. Entries requested include checks, deposits, interest, and withdrawals. In addition, there is an option to reconcile the computerized checkbook with the bank statement.

The unrelated program CHECK is another checkbook balancing program.

DISK 169: DRAWFONT

Dr.COM
An extended directory program.

DDRAW.COM
DDRAW.DOC
DDRAW.WOT
This version of the public domain graphic sketching program for '84 Kaypro's is by Dan Griffith. You can sketch with a resolution of 100 by 160 pixels, using the numeric keypad. There are commands for drawing lines and circles, and for filling a region. Other features include a status line, text entry mode, and the ability to define a region as a subpicture.

DRAWFONT.COM
DRAWFONT.DOC
DRAWFONT.DIR
DRAWFONT.LBR
SYMBOLS.FNT
These files allow you to design characters for the Epson FX-80. You redefine characters from either the normal or Rollo character set, store them in a disk file, and download it to the printer. Backup files are automatically created, and multiple files may be used if they don't overlap. Each character is designed graphically on-screen, in an 8 by 11 matrix (descenders allowed). The .FNT file contains examples.

DISK 170: BASIC ARITHMETIC

Ar-PRAC.BAS
ADDPAC.BAS
ADDPAC.BAS
ANAPAC.BAS
GNUM.BAS
GNUM11.BAS
GUESSNUM.BAS
INUMMS.BAS
PRAC1.BAS
SUBPRAC.BAS
These MBasic programs give practice in simple addition, subtraction, and multiplication; there is a number guessing game as well. The program ANAPAC.BAS prints out a hardcopy test paper.

SD.COM
An extended directory program.

DISK.COM
DISK77.ASM
DISK77S.COM
DISK77S.DOC
This is a file maintenance utility by Frank Gaude, similar to NSWP. It gives a menu of commands, and a circular file directory. You can copy, delete, rename, view, print, etc. files with this program.

NULU.COM
NULU.DOC
This is a successor to the program LU, or Library Utility. Found on Disk 167, it permits operations on library files, which are collections of individual files grouped under one directory entry on disk; they are commonly used on bulletin boards for downloading. With this program you can manipulate the member files of a library in a circular directory (filesweep) mode.

WSRPROPR.DOC
This text file gives instructions on implementing proportional spacing on WordStar version 3.0. It describes the undocumented "P" command for proportional spacing, and gives patch locations and values to fill out a character-width table within WordStar.

MS-DOS DISKS

DISK 701: PC UTILITY & CATALOG

ALTER.COM
ALTER.DOC
Allows the user to change file attributes, to mark files as hidden, readonly, system or normal and to set or reset the archive bit. Also possible to make subdirectory entries hidden. Hidden files/directories will not be displayed by TREE or DIR. XDIR will display all files, but it will not display hidden directories.

GCOPY2.EXE
GCOPY2.TXT
Used to copy files from one drive to another. The user may enter an ambiguous file name and drive specifier. The program then goes through the matching files it finds in the directory and asks the user if he wants to copy over this file. The program keeps track of the desired files and then copies them after all have been specified.

CAT.COM
PC-DISK.COM
PC-DISK.MSG
A disk catalog program with help available on-line.

PC-SWEEP.DOC
PC-SWEEP.EXE
File manipulation utility: advance to the next file; retag files; copy or delete files; rename files; show free space on a drive; hexadecimal dump of file to screen; print size in bytes and time for file; jump to a file in the list; log in new drive and files; protect mass copy of tagged files; sort the directory listing by name, ext or name, size, and date; tag or untag a file; view a file to screen; change an MS-DOS 2.x subdirectory name; print help list.

SDIR.COM
SDIR.DOC
Sorted directory list with many options: erase screen; sort on screen full; 4- or 2-column format; sort by filename, ext, file size, date and time, file type (ext); list sub-directory names; list file names by directory; indent file lists.

SPEEDUP.COM
SPEEDUP.TXT
Program to "speed up" floppy disk access. Places less stress on the disk drives, yet provides improved performance. Produces a quieter running disk drive.

VIEWDISK.EXE
Examines disk sectors. Allows you to select individual disk sectors and display them on your screen. If you are curious about what is in the hidden files of your disk or how to hide files of your own, you will probably find this program useful. ViewDisk is written in a combination of C and Assembly languages for speed and machine control.

DISK 702: CHESS & CASTLE

ACQ82.EXE
Armchair quarterback. Choose your team and your opponent, plan your strategy and execute your plays. Graphics game includes scoreboard clock.

CASTLE.EXE
CASTLE.RAN
Use the cursor keypad to move your man around the room in the treasure-laden castle. Pick up visible and invisible items, attack monsters, and try to escape.

CHESS.EXE
Choose white or black and level of play.

GOMOKU.DOC
GOMOKU.EXE
Similar to tic-tac-toe but played on a 20 x 20 board. Place five marks in a row instead of three.

HIDEANS
WORDSEARCH.EXE
Creates a wordsearch puzzle (containing words you choose) of any size between 20 X 20 and 30 X 40. Prints out the puzzle and a list of the words.

DISK 703: OUTER SPACE

3-DEMON.DOC
3-DEMON.EXE
3-DEMON.HIT
A chase and be chased game in 3D requiring a color graphics adapter. Descend through the various mazes without being eaten by the ghouls. The radar display allows you to see around corners, giving you a slight advantage. There are ten levels of play.

ASTRO.COM
Astro-Dodge. Avoid enemy ships and meteoroids. Color graphics card needed.

ENCOUNTER.EXE
Enemy craft are attacking your spaceship after you have escaped from your demolished home planet. Color graphics card needed.

PANGO.EXE
PANGO.HGH
Attempt to clear the bees in the field within one minute by squashing them with blocks. Color graphics card needed.

PNBALL.COM
PNBALL.DOC
Directions are given for keyboard or joystick play.

SPACEWAR.EXE
STARGATE.EXE
You need a \$40 X 200 color graphics card to play these outer space games.

DISK 704: PC-TALK

PC-TALK.DEF
PC-TALK.DIR
PC-TALK.DOC
PC-TALK.EXE
PC-TALK.KEY
PC-TALK.HLP
TALKDIRM.EXE
Modem program. The 70-page PC-TALK.DOC file contains detailed documentation: screen, keyboard, and printing; receiving and transmitting files; file commands; dialing; parameters and defaults; input strings; miscellaneous and advanced features; file information; programming information for copying and modifying PC-TALK; communications parameters; and XMODEM Protocol. PC-TALK.BAS is an interpreter BASIC source code for systems with 64K of memory and PC-TALK.EXE is a compiled BASIC version for systems with 128K or more of memory. The program has a screen dump feature and three transmit options: for transmitting binary files; for transmitting files with line pacing; and for transmitting and receiving files using the XMODEM error-checking protocol.

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DISK 704 (continued)

The dialing directory has been expanded to sixty-entry capacity. Optional parameters allow selective character stripping and/or converting and for storing pacing instructions for each entry. An auto-redial feature has been added.

DISK 705: PC-ACCOUNTING

CPM.COM
CPM.DOC
CPM.PAS

A Critical Path Method Project Scheduler, a methodology for determining the critical tasks that, if not accomplished by a certain time, contribute directly to the delay of the whole project. You can either use an input file, with the output directed to the screen; or you can input at the computer, with the output to a disk file; or any combination thereof. CPM will then process the input data entered. A tabular representation of the analysis appears. Then CPM prints out the calculated length of the critical path. A GANTT chart is then printed out, showing which are the "critical" tasks, and which are not, and their approximate time relationship.

BUDGET.EXE
PC-ACCT.DOC
PC-ACCT.EXE
PCACCT.CCT
PCACTAC.EXE
PCACTSU.EXE
PCTAN.EXE

A program for the non-accountant. While designed for home use, it can be used for a small business. Only basic bookkeeping knowledge is required. System allows you to design your own "Chart of Accounts," the basis for maintaining the data. Also allows you to enter budget figures for each account and compares actual to budgeted. Can compare current year to prior year. Five separate analytical reports are provided. Detailed documentation included.

DISK 706: SIDEWAYS

GEMGRAPH.COM
GEMGRAPH.DOC

Allows the use of a Gemini 10X for graphic screen dumps.

JUSTIFY.DOC
JUSTIFY.EXE

Gives many low-priced printers the capability of producing justified copy. Adds space evenly between words and between letters in increments of 1/120 inch, maintaining the normal word-space to letter-space ratio regardless of the total amount of space added in each line. It requires a printer with graphics capability. Printers supported: IBM, Epson FX80, RX80, MX80; Gemini 10X and 15X; Delta 10 and 15.

OKIDUMP.COM

Utilities to take advantage of Okidata features.

PERFSKIP.COM

A printer utility for the IBMPC or Epson MX-80 printers which skips a designated number of lines over the perforation of fanfold paper.

PRINTER.COM
PRINTER.DAT
PRINTER.DOC

Used to set up any make printer to make use of its special print functions: compressed print, double strike, italics, emphasized, double strike, double width, etc.

REDIRPRN.EXE

Redirects output -- intended to go to the printer -- to a file, to be examined or modified and printed when desired. It requires DOS 2.0 or later and about 10K more memory than your program normally uses.

SIDEWAYS.DOC
SIDEWAYS.EXE
SIDEWAYS.DOC

This program, which prints a file sideways, works with Epson printers. It is especially useful in getting spreadsheet hardcopy.

SPOOL.DOC
SPOOL.EXE

A software printer buffer to hold data intended for the printer. It works like the buffers that can be installed

in the printer, but the data is stored in RAM storage. The size of the buffer is specified as a parameter when SP is invoked. SP creates multiple copies when requested. SPC is a print spooler for use with communications.

TOP.COM

Set printer top of form.

VPRINT.COM

Creates a "virtual printer" by redirecting all printer output to a specified disk file or to virtual.pm. To avoid overwriting existing data, no redirection occurs if the file is already in the directory. Output is buffered until a sector's worth of data is available. The primary intended use of VPRINT is the simplified creation of formatted DOS files from Easywriter.

DISK 707: SUPER FILE CARD MGR.

CLASS.DAT

RECIPE.CNT

RECIPE.DAT

RECIPE1.DAT

SCLASS.DAT

RECIPE.SRT

PCRECIPE.DOC

PCRECIPE.EXE

A series of programs allowing a user to maintain a recipe file on computer. The system will allow you to display, update, add, change, and calculate recipes.

DOCAL.COM

MONDAY.APP

MONDAY.DX

ROLEX1.NDX

ROLMENU.FMT

ROLODEX.COM

ROLODEX.DAT

ROLPRINT.COM

ROLSRN.FMT

PCYEARBK.DOC

PCYEARBK.EXE

A calendar/appointment schedule program. There is also a Note Pad to record other information.

DISK 708: FULL SCREEN EDITOR

ACE.DAT

ACE.DOC

ACE.EXE

ACE.HLP

ACECONMD.HLP

Menu-driven editor with many functions: insert mode; overwrite mode; delete, copy text; define, copy, move blocks; open a window; help files; status of files; save, rename, erase, print files; search; replace; tag a line; change the attributes of the editor, color, block color, border color; marker to show where you are in your document; special functions to help you in writing programs, C programs in particular.

STREW.DOC

STREW.EXE

A full screen editor, file separator, file extractor, file reformat, RBBS upload manager. Detailed .DOC file includes a quick tutorial and a list of limitations. STREW combines elements of text editors, data base managers, and spreadsheets. It differs significantly from other editors in several respects: lines can be saved to the same or a different file; a line can be saved to one or more files; user can specify how each file is to be read; select columns to read in; label columns; specify field and record separators; unlimited line length on read; stores to 7901 chars from a line; interactive or batch; each line can be saved to a different file, and the same line can be saved to multiple files. STREW will therefore "strew" the lines in a file to other files. STREW allows data to be saved in different formats. Is especially useful for formatting mainframe files downloaded to a PC.

DISK 709: FAMILY TIES

FGRSHINS

FGS.FRM

FGS-LDS.FRM

FORMS

FT.EXE

FTCOLOR.DAT

FTDEMO.EXE

FTINSTAL.DAT

FTINSTAL.EXE

MANUAL

NAMES.DAT

NAMES.NTS

PED.FRM

PRINT.CTR

README.DOC

REGISTRN.FRM

USER-NO.EXE

This is the MS-DOS version of CP/M Disks 166 and 167. FTDEMO: tutorial; MANUAL: 20-page documentation. PED.FRM; FGS.FRM; FGS-LDS.FRM: sample printouts.

DISK 710: PC-WRITE

Word processor and text editor.

COLOR.DEF

RULER.DEF

SHIFT.DEF

TAND1000.DEF

Ruler files.

ED.EXE

Editor program.

FILEMAN.COM

Incompresses the manual.

GO.BAT

Types out READ.ME, a short introduction.

HELPE.DEF

Help screens.

MANUAL1.CRN

MANUAL2.CRN

MANUAL3.CRN

MANUAL4.CRN

MANUAL5.CRN

MANUAL6.CRN

Compressed manual.

MANYCOPY.BAT

MENUPRT.COM

MULTCOPY.BAT

PR.EXE

PRINT.TST

Print programs.

M_PCWRIT.MNU

M_PCWRIT.MSC

M_Guess programs.

PRINTMAN.COM

Prints out hard copy of manual.

QUICKS.ME

Quickstart information.

REGFORM.DOC

Quicksoft registration and feedback form.

SPECIAL.DOC

Customizing character codes.

TYPEMAN.COM

Types the manual onscreen.

WORKDISK.BAT

Program to make a PC-Write workdisk.

DISK 711: ARCADE TYPE GAMES

Many of these games have sound effects.

AC082.EXE

Armchair quarterback. Choose your team and your opponent, plan your strategy and execute your plays. Graphics game includes scoreboard clock.

FIRE.COM

Put out forest fires by various means.

GRIME.COM

GRIME.DOC

The Revenge of the MOLD.

HEART.EXE

Queen of hearts maze game.

HOSTAGES.EXE

Free the hostages by getting past the guards.

LANDMINE.EXE

Carry a message across a mine field.

PTROOPER.EXE

Color monitor needed for this game.

National KUG Disks

DISK 171: FUNDISK

Humorous text files, some original, some downloaded from various mainframe or micro systems. The contents range from a collection of quips about programmers, to new pumpkin-oriented lyrics for old songs, to a point-by-point comparison of a Cairn terrier and a Macintosh computer.

DISK 172: HANDY TOOLKIT

CMPADR: Gives the addresses of various locations (BIOS, TPA, etc.) for your specific CP/M system. DECIHEX and HEXIDEC: Convert a number between decimal (base 10) and hexadecimal (base 16). DIR-DUMP: Extended directory (with the full extent for each file's entry) which lists all the group numbers used by that file. DIRCHK: Extended 9directory listing the blocks used by each file. DISK.COM: Disk maintenance utility: erase, copy, rename, or view files, etc. FIND: Searches a text file for a given word, in uppercase only, and prints all lines on which it is found. KP-TYPER: Use your printer like a typewriter; each line you type is printed directly when you hit Return. NDDT: A replacement for the CP/M utility DDT. Aside from some fixes and rewritten routines, new features include a bitmap command, better ability to examine registers and memory, and a repeat factor for most commands. PASSWORD: Protects .COM files from being used by unauthorized people. After a program is protected, a password must be entered before the program will run. The password cannot be removed. SAP: Sort And Pack reorganizes the files on a disk. All files are ordered to produce an alphabetical listing with the DIR command. Files are also written neatly in contiguous blocks, and erased files are cleaned out. Can speed up disk accessing. STUTE: Searches a text file for a given expression. Meant especially for use with .ASM files. TYPE1: Will type squeezed files, and stops at each screen. UN: Unprotects MBasic programs saved with the "p" option, allowing them to be LISTed and resaved in ASCII format. UN-PROT.BAS updates UN.COM so that it works on the latest releases of MBasic. VFILER: Disk maintenance utility intended for use with ZCPR. A help screen provides commands, such as copying, renaming, viewing, etc. XLATE2: Translates .ASM files from 8080 assembly code to Z80 mnemonics. ZX2: Performs many disk functions: list a directory; erase, copy, rename, type or print a file.

An Invitation to Join the Word Processing Users' Group

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*+721 WILLISOFT LOCK & KEY (Utility)

*+722 FUNDISK

* New Disk + MS-DOS disk

New Library Descriptions

178--Bradford: A letter quality and font generating program for Epson and Gemini printers.

720--Bradford: MS-DOS version of Disk 178.

721--WillisSoft Lock & Key: Scramble files to protect confidential information.

722--Fundisk: Humorous pieces about various aspects of computers and computing.

Kaypro Upgrading

by Gregg Platt - PeopleTalk Associates

GENERAL BACKGROUNDER

Over the past two years we've discussed a number of upgrades designed to solve problems common to many users. We've looked at keyboard helpers, spoolers, and printer helpers. More recently we looked at desktop programs which are designed to add such functions as rolodex, notebook, screen cut and paste, calculator, and appointment calendar to other programs.

In hardware upgrades we've talked about ramdisks, speed-up kits and replacement roms, all of which are designed to make your machine run faster. But with the exception of the speed-up kit and the TurboRom, all of our favorite upgrades share one common problem: They all use memory in a memory-scarce environment.

The memory usage of our favorite utilities has affected many of us as we tried to overcome the limitations of our CP/M systems, forcing us to choose between spooler, keyboard helper, and desktop assistant. There didn't seem to be any solution to this problem and many of us made the switch to DOS machines in search of more memory only to find that while the MS-DOS machines had ten times as much memory, the programs were up to thirty times as large!

You noticed of course that I used the past tense. That's because for several weeks we've been a test site for a new product named General BackGrounder from Plu*Perfect Systems. If you own a hard disk or ramdisk-equipped CP/M machine, this product is unbelievable! And if you use a floppy machine with double-sided or quad drives (ideally equipped with the TurboRom) the performance is pretty impressive too!

Combined in General BackGrounder are the following features: key redefinition, on-screen notepad, multi-function calculator, screen snapshot to disk, print spooler, printer queue manager, BackGround CP/M Commands including dir, erase, rename, and type, plus on-line help and a host of other features including cut and paste, and clock and printer commands. For the Power Users among us Plu*Perfect added full support for ZCPR3 commands including definable search paths, named directories, wheel byte, drive user (DU:)

format, CMDRUN facility, ZCPR-compatible Help, plus support for ZCPR3 add-on utilities. All the commands you're familiar with work and the Z-System features are there when you need them.

Sound interesting? There's more! General BackGrounder offers a unique feature called multi-tasking which allows your CP/M system to run TWO PROGRAMS AT ONCE! Suppose you're in the middle of WordStar or Perfect Writer and you realize you need to insert a section of a spreadsheet in your document. Just tap BackGrounder's suspend key and you see the "background" prompt (A#). Now type "swap" and wait for a few seconds while BackGrounder does its magic and you'll see a new "foreground" prompt (a>) which means you can run any other CP/M program. You HAVE NOT exited WordStar, just suspended it temporarily while you run your spreadsheet. Now call up your number cruncher. When you have your data on the screen use the cut feature to mark the data you need. Then hit suspend and swap back to WordStar and use the paste feature to insert it into your document.

As you might expect, swap times vary considerably based on hardware. Our tests showed 4 seconds on a ramdisk or TurboRom-equipped hard disk, 20 seconds on a "stock" Kaypro-10 or a TurboRom-equipped floppy machine, and 90 seconds on a stock Kaypro-4 without TurboRom. This means that General BackGrounder is most useful to users who've installed a TurboRom or ramdisk. But it can be configured to run faster on a floppy machine if you can live with running small programs in the alternate task.

Since we started out talking about memory, it's appropriate to point out that General BackGrounder uses only 4.5k of RAM, far less than any similar product and second only to HandyMan, a hardware upgrade with similar features which uses no RAM but lacks multi-tasking and is Kaypro specific. General BackGrounder runs on most CP/M 2.2 systems, though not all features are available on all machines.

The price for General BackGrounder is \$70 from Plu*Perfect Systems, P.O. Box 1492, Idyllwild, CA 92349. Demo disks are \$10. The product is also available from PeopleTalk, P.O. Box 863652, Plano, TX 75086. You can recoup the purchase price under a unique "shareware" program which pays you for copies sold as a result of your registered copy being given away.

Starwares

by Arlene Smith

WordStar and **MailMerge** provide an alternate way of printing mailing labels. So, we'll start a crash course in basic **WordStar**.

Copy the following **WordStar** files to a bootable disk: **WS.COM**, **WSOVL.Y1.OVR**, **WSMSG.S.OVR**, and **MAILMRGE.OVR**. Put your working disk on your main drive and your data disk into Drive B:. Re-boot, if necessary. Log to the working disk drive, then type: **WS**.

After the **WordStar** signon message, you will see the **OPENING MENU**, a list of the things you can do at this point. Under the menu is the directory of files on the log-in drive. Press **D** (a choice in the first column of the Menu) to open a document. At the prompt "File to Edit" type **<data drive>first.doc.<RETURN>**.

You will now see the **WordStar** Main Menu. The top, or status line, indicates the drive and name of your document, the page, line and column the cursor is on, and that you are in Insert Mode. You can switch between Insert and Overtyping modes by pressing **Ctrl-V**.

Under the status line is a new set of choices. The **"~"** symbol means hold down the **Ctrl** key while you strike the key for the action you want to take. Note that the cursor cannot move past the end of text in any direction. The last line of the menu is the **Ruler**. The Left and Right margins are marked, and each **"|"** is a tab stop. They can all be changed, but we won't do that yet.

Type the following text:

<TAB> Now is the time to start learning how to use a word processor. Once you do, you'll wonder how you managed without this tool. **<ENTER> <ENTER> <TAB>** Mastery of this takes time, but you'll probably agree that it's worth it. Did you notice that we only pressed the **Enter/Return** key at the end of a paragraph and that **WordStar** gave us an even right margin?

Now, we'll edit our text. Move the cursor to the first letter in the word "start." Press **Ctrl-G** 5 times to delete that word.

Move the cursor to the **"i"** in "learning". Press **Ctrl-T** to delete the rest of the word.

Move the cursor to the space following "without." Press **<SPACE> <SPACE>**, then **Ctrl-T** 5 times to delete the next two words, the break between paragraphs, and the tab.

Delete the two words ("of this") following "Mastery" and then move the cursor over the next comma. Enter **"<SPACE>** and patience."

Move the cursor over the first **"D"** in "Did." Press **<ENTER> <ENTER> <TAB>** to create a new paragraph.

We've finished our editing. Now, we'll re-set our even right margins using a command from the third column of the Main Menu. Move the cursor to the first letter of the first paragraph. Press **Ctrl-B Ctrl-B**.

We'll now use a block command to save our block of text and return to the Opening Menu. Press **Ctrl-K** (it's listed in the right-most column). Notice the appearance of the Block Menu with all its options. We'll use one from the first column -- save and exit. Press **D**.

When **WordStar** finishes saving the file (document) it will return to the Opening Menu. You may now open a new document or re-enter an existing one by pressing **D** and entering the name of the file you want to work on. You may choose, instead, to end your **WordStar** session. Select the Opening Menu option **"X"** to return to the system prompt. Until next time, practice.

Two Column Snaking

Here is another method of printing in two columns, apart from using **~KN** (column mode). Normally you must keep microjustification turned off to ensure that your columns stay neatly aligned, which means that you can have whole-block justification only within the columns themselves. With this method, suitable for more advanced users, you can retain microjustification for a more attractive printout. (This technique is taken from M. David Stone's book, "Getting the Most from **Wordstar** and **Mailmerge**.")

This method is known as snaking because the printer will print out the first column down the left half of the page and then roll the paper back to the top to print out the second column to the right. (Your printer must be capable of rolling up for this to work.)

(continued)

Use **"SR"** to redefine the distance for a super-/subscript roll.

It's best to have your file completely edited in single-column format, since later editing will be more difficult (though easier than with the **~KN** method). First, define your page to be 121 lines long, using **"PL 121"** on the first line of the file; this is the length of two 55 line columns, plus top and bottom margins. Set page offset to whatever you like (e.g. **"PO 10"**), and enter **"SR 0"** to set subscript roll to zero. Then, move down to line two, as identified by the status line. Insert a **~V** at the front of that line; that starts a subscript, but at the moment it does nothing since subscript roll is zero. Next, move down one line and insert a blank line with **~N**; enter **"SR 220"** on this line. The status line will identify this line along with the following one as line three.

Now, go down to line 55. Add to the end of the last word another **~V** (don't put it beyond the end of the line, or it will wrap around). This signifies the end of a subscript, so it tells the printer to roll up again. But since subscript roll has been reset, the printer rolls up more than twenty seven whole lines. Now move down a line, enter **~N**, and another **"PO"** command; this is the offset for the second column, and should equal the original offset plus the width of the column, plus the width of the alley between columns (maybe 45 for thirty character columns). Move down another line, to line 56. At the very beginning of the line enter **~T**. This begins a superscript and again tells the printer to roll up 27 1/2 lines, making a total of 55 lines. The rest of the text on the page will now be printed in your second column.

Finally, a couple of lines into the "second column," you must enter **"SR 0"** on its own line, and a couple of lines after that, insert a **~T** into the text. This completes the superscript pair without doing anything. (The **~T** cannot be on the line directly below the **"SR"** command, because that would confuse **WordStar**.)

At the top of the next page, reset page offset to print the left hand column (**"PO 10"** again). You won't need the **"SR"** command, since it was already reset. And then repeat the sequence of commands for each page. Make sure that all of these are on the proper lines. Watch the paper feed during printing, and you should get two nicely microjustified columns.

T.F. Chiang
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Specify CP/M Kaypro model and **WordStar** version (3.30 or 3.00).

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The contest is over and the winners have been selected. As you can see by the above designs, a lot of thought, time, humor and effort went into the design of each one. We want to again thank all the members who participated in the effort.

Now it's your turn to let us know how well we did in selecting these designs. Just fill out the form to enter your favorite KUG Tee Shirt and it will be shipped to you in approximately four weeks. All of these fine tee shirts are printed in black ink on super-soft (see KUG quality) and manufactured in the U.S.A. The cost of each shirt is \$19.95 (U.S.) shipped pre-paid. (Outside U.S.A., add \$2.00.)

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MORE DOT COMMANDS

WordStar's default is eight spaces; this means that if you position your paper so that the left edge is just at the print head's initial position, your lines will begin eight spaces from the edge of the sheet. However, with a 65-character line, your lines end a full 12 spaces from the right edge of the paper.

Use ".PO" to adjust page offset; this directly controls the width of the left margin, but it also pushes the body of text over with it. If you enter ".PO 10" at the top of your document (and position your paper properly), your text will now have a left margin of ten spaces, and your right margin will have shrunk to ten spaces as well. (If you use a line longer than 70 characters, decrease the page offset. Or, if you use a shorter line but want a wider left margin for putting pages in a binder, increase page offset.)

Now let's consider the top and bottom margins. These depend on how far you roll the paper up in your printer. Perhaps you roll it so that the top of the sheet is held by the paper bail (the bar with rubber rollers on it). This means that the printer actually doesn't start at

Some other dot commands deal less with layout and more with the text itself. For instance, there is ".CW" to control "character width." Normally, your text is printed at ten characters per inch (ten pitch, or pica). If you divide that inch into 120 units, each character takes up twelve increments. Entering ".CW 10" would allot only ten increments per letter, fitting twelve of them in an inch (elite). You can spread out your letters (e.g. with ".CW 15") to emphasis titles, etc., and then switch back to normal pitch. Remember that changing the character width will change the length of your lines as well as the page offset.

Another one is ".WJ" to control micro-justification. If your printer is capable of it, tiny spaces will be put between letters and words on each line to even it out, for more attractive spacing. But this feature can shift tables out of alignment, so use ".WJ OFF" to get rid of it, and ".WJ ON" to bring it back.

Finally, there is ".SR" to control the shift up or down when using super- or sub-scripts. This is usually three-eighths of a line, but there may be times when you want to change it. ("SR 8" would move you up to the next line.)

Next issue, headers and footers.

...When using a bulk eraser, you can stack as many as ten disks. Place a thin sheet of cardboard on the top disk before erasing.

...Sprites (graphic characters which affect color and movement, and which are used in the game area of computers) cannot be performed in MBasic.

...To copy data from a 5 1/4" disk to an 8" disk and vice versa, use a null modem and a program such as MOVIT.

...A ramdisk can access files very quickly, but remember that it is Random Access Memory, which can be destroyed by a power glitch or outage since it has no battery back-up. Safer to load your programs (**PW**, **WS**, **dBASE**) onto the ramdisk and keep your data on a floppy to which you frequently save your work.

...At the first dot prompt in **dBASE** type SET DEFAULT TO B: so that all files will be put on your data disk automatically. To create a new database, type CREATE at the dot and follow the directions, which will guide you through setting up the database structure.

...In a dBASE program, setting print on will put in an automatic form feed that ejects a page at the beginning of the printout. To avoid that, check your printer manual and set the printer to form feed at one line instead of 66. When you set the printer or write the program, make allowances for the extra line. If you use a form feed in the program, you are form feeding one line.

...Leave some free space (18k or so) on your program disk in order to write your file to drive A in the event you get a DISK FULL message when trying to save onto the disk in drive B. After you warm boot you can copy the file to another disk.

...PIP can give you paginated, line-numbered hard copy of any ASCII file. At the A> prompt type: PIP PRN:=d:filename.ext<CR>. Add the parameter [z] for WordStar or Newword files.

...Your computer system and a plain paper copier can make transparencies for overhead projection. Set your dot-matrix printer to an expanded mode at double strike. Print out the text, adding drawings or graphs. Use special transparency film (ordinary film can melt) as if you were making a regular copy. [Thanks to Clergy KUG for this tip.]

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★ ★ ★

The Vendors column is not advertising. We list as many vendors as space allows. These listings in no way represent the endorsement of KUG, Inc.

Best of KUGBB

To transfer PIP to a new user area, first find out how big it is in CP/M pages. A page is 256 bytes. STAT shows a number of 128 byte records. For pages, divide the record count by 2. Let's say it is 22 pages. Enter the command DDT PIP.COM. Exit DDT with the dot command or Ctrl-C. Enter new user area with command USER 3, USER 4, etc. Enter command SAVE nnnn PIP.COM where nnnn is the number of pages needed for PIP. Give command USER 3, etc. and DIR. PIP should now be in new area.

---John Reis

Two dBASE Tips

The easiest way to copy FIELDA from FILEA to FIELDB in FILEB would be to set up FILEA as PRIMARY and FILEB as SECONDARY. Then replace all S.FIELDB with P.FIELDA for some criteria like S.KEY1 = P.KEY2.

---Richard Walker

To move data to a field by a different name:

1. Create a new database structure (CREATE NEWDATA).
 2. Have fields in the same order, with the new field name in the same position as the old one.
 3. At "Enter data now?" you say NO.
 4. Type APPEND from (olddata.dta). It should give you a "100 records added ... 200 records added" message.
- Joanna Daneman

Notes from KUGBB Sysop:

- 1) The command R;*+ will give you all messages since your last log-on. If you enter S;*+ you should get a summary of all the messages since your last time on KUGBBS. Entering * refers to your last time on.
 - 2) Write your message off line using PW or the non-document mode of WS. You do not want to send to the BB system all those weird little high order bits at the ends of lines. You will have to enter the date, "who to," and subject manually. You could define the keypad to do this, but it does not seem to me worth the effort. When you get to the 01? -- which asks for the first line of the message -- enter Ctrl-T on your Kaypro. At that point MODEM712 will ask you for the name of the file to be sent. Enter the name of the file you created off line. Once you do that you will be asked if you want to use delays. Answer YES. You can probably get away without delays, but it is safer to use them and avoid an occasional garbled message.
- Frank Fallon

Sysop's Corner

by Frank Fallon

You may wonder why you sometimes do not get an answer from KUG-BBS or you get connected to nothing. Well, that does happen sometimes, but it is not the modem's fault. Blame that on Long Island Lighting Company (LILCO), our local utility. All too frequently, especially in the summer months, we will momentarily lose power and the system is knocked off line.

While the Kaypro, hard disk, and modem have been reliable, LILCO has not. Should you call KUG-BBS and be connected to nothing, check it again just before 7 a.m. and after 4 p.m. EST. On some occasions you may find that the system rings but there is no answer. I have probably pulled the machine off line for "message maintenance" or to protect it during lightning storms.

It was obvious from talk with other sysops who attended the Trenton Computer Festival in early May that GENie, General Electric Network for Information Exchange, has really caught on since its introduction in October 1985. While I still have not visited GENie, that is more for lack of time rather than interest. GENie sounds like a very good value. There seems to be a large, well stocked CP/M section maintained by Keith Peterson, whom you may know as sysop of the Royal Oak machine. As Keith is one of the key people in the SIG-M distribution system, GENie has the latest releases.

Two factors have contributed to its rapid growth -- low rates and free uploads. While other services simply charge for total connect time, GENie does not. Users are not charged for the time they spend uploading. GE has gone far in encouraging users to upload new programs into its disk area. This has enabled GENie, with user cooperation, to expand its databases very rapidly, making the system even more attractive to new users. In early May a GENie press release claimed some 12,000 members in less than seven months' time and announced the addition of 46 additional local access nodes. There is also no surcharge for 1200 bps operation. The hourly fee, or connect charge, is \$5.00, much lower than CompuServe or The Source.

For more information look for the following files on your local RCP/M: GENIE.BBS, GENIE-BB.NQW, and GENIE5/7.UQD. You can call 1-800-638-9636, ext. 21 for sign up information.

Chapter News

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EAST TEXAS KUG
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Data Disk Full in WordStar?

If you get a "disk full" message when trying to save a file to drive B, all is not lost. If you have some room on your program disk in drive A, you can save your file onto that disk in one of two ways: Log onto A with ^KL (your file remains in memory) and save your file with ^KD; or mark the whole file as a block and "write" it to A. Also, you can change disks after pressing ^KL. Replace your full disk in B with a formatted disk.

FLOPPY DISK BOOK Kaypro Power

After spending one year writing the most thorough book on CP/M Kaypro computers, my publisher has decided not to print it. Rather than let all the information go to waste I am selling the book on floppy disks. The first ever!

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Ten chapters fill nearly 700K of disk space, and as an added bonus I include an extra disk containing several public domain programs, described in the book, and demo samples of some commercial programs.

All for a regular book price of \$19.95 (plus \$2 handling and postage). State whether you want single sided or double sided disks.

Make check payable to John Rettie.

John Rettie
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Katherine Loukides, Co-ordinating Editor

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DATESTAMPER™ ... has the answers

*Has the mailing list been updated?
When did we print that letter?
Which is the latest version?*

Use it to keep your KAYPRO® up-to-date!

- avoid erasing the wrong file
- keep dated tax records of computer use
- back-up files by date and time
- simplify disk housekeeping chores

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